

ALMANAC XLIII TRANSITS OF MARS IN BCE

The almanac XLIII contains a list of transits of Mars from the 125th millennium BCE to the 1st millennium BCE.

During the period of 250 000 years, the total number of transits of Mars is 32 972 transits of Mars (4 962 transits of Mars visible from Jupiter, 8 607 transits of Mars visible from Saturn, 7 818 transits of Mars visible from Uranus, 10 702 transits of Mars visible from Neptune, 883 transits of Mars visible from Pluto).

125TH MILLENNIUM BCE

This is a list of transits of Mars in the 125th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-124994-02-13 16:49 J	-43932591.98	-43932591.80	-43932591.58	0.0259	0.0182		
Jupiter	-124987-03-08 09:08 J	-43930012.40	-43930012.12	-43930011.85	0.0526	0.0088		
Jupiter	-124970-12-17 10:35 J	-43923519.27	-43923519.06	-43923518.85	0.0500	0.0306		
Uranus	-124969-10-13 09:37 J	-43923218.42	-43923218.10	-43923217.77	0.0132	0.0011		
Saturn	-124966-04-08 18:30 J	-43922310.95	-43922310.73	-43922310.49	0.0262	0.0151		
Jupiter	-124952-12-13 10:20 J	-43916948.28	-43916948.07	-43916947.83	0.0524	0.0308		
Saturn	-124950-04-04 19:27 J	-43916471.00	-43916470.69	-43916470.38	0.0302	0.0024		
Neptune	-124939-05-04 20:11 J	-43912422.82	-43912422.66	-43912422.46	0.0089	0.0073		
Neptune	-124937-03-30 05:32 J	-43911727.50	-43911727.27	-43911726.97	0.0089	0.0052		
Saturn	-124936-05-24 13:56 J	-43911307.20	-43911306.92	-43911306.64	0.0260	0.0024		
Neptune	-124935-02-23 17:32 J	-43911032.08	-43911031.77	-43911031.46	0.0089	0.0029		
Jupiter	-124934-09-21 13:42 J	-43910457.20	-43910456.93	-43910456.66	0.0500	0.0008		
Neptune	-124933-01-20 06:30 J	-43910336.55	-43910336.23	-43910335.90	0.0089	0.0007		
Neptune	-124932-12-15 20:39 J	-43909640.95	-43909640.64	-43909640.30	0.0088	0.0016		
Neptune	-124930-11-11 11:47 J	-43908945.29	-43908945.01	-43908944.70	0.0088	0.0039		
Uranus	-124928-03-10 06:30 J	-43908460.51	-43908460.23	-43908459.94	0.0147	0.0028		
Neptune	-124928-10-07 03:37 J	-43908249.55	-43908249.35	-43908249.08	0.0088	0.0062		
Neptune	-124926-09-02 21:08 J	-43907553.69	-43907553.62	-43907553.47	0.0088	0.0084		
Saturn	-124906-07-10 05:32 J	-43900303.44	-43900303.27	-43900303.08	0.0260	0.0199		
Jupiter	-124898-06-26 10:49 J	-43897395.25	-43897395.05	-43897394.83	0.0501	0.0315		
Saturn	-124892-07-04 20:11 J	-43895194.77	-43895194.66	-43895194.54	0.0300	0.0277		
Uranus	-124886-07-06 22:20 J	-43893001.67	-43893001.57	-43893001.40	0.0132	0.0120		
Uranus	-124884-06-08 14:54 J	-43892299.18	-43892298.88	-43892298.58	0.0132	0.0050		
Saturn	-124878-09-02 08:39 J	-43890022.38	-43890022.14	-43890021.90	0.0262	0.0135		
Jupiter	-124869-08-25 13:56 J	-43886742.13	-43886741.92	-43886741.71	0.0526	0.0343		

Saturn -124862-08-29 01:27 J -43884182.74 -43884182.44 -43884182.13 0.0301 0.0039
 Neptune -124857-03-17 18:44 J -43882519.84 -43882519.72 -43882519.53 0.0089 0.0077
 Neptune -124855-02-10 04:49 J -43881825.52 -43881825.30 -43881825.04 0.0089 0.0056
 Neptune -124853-01-05 14:11 J -43881131.19 -43881130.91 -43881130.63 0.0089 0.0035
 Neptune -124852-11-29 21:08 J -43880436.91 -43880436.62 -43880436.31 0.0089 0.0015
 Jupiter -124851-06-07 16:35 J -43880246.84 -43880246.81 -43880246.77 0.0499 0.0494
 Neptune -124850-10-25 02:54 J -43879742.68 -43879742.38 -43879742.07 0.0089 0.0006
 Neptune -124848-09-18 08:11 J -43879048.43 -43879048.16 -43879047.86 0.0089 0.0027
 Saturn -124848-10-18 06:59 J -43879018.49 -43879018.21 -43879017.93 0.0261 0.0045
 Neptune -124846-08-13 12:44 J -43878354.20 -43878353.97 -43878353.69 0.0089 0.0047
 Uranus -124846-12-01 13:13 J -43878244.11 -43878243.95 -43878243.74 0.0147 0.0114
 Neptune -124844-07-07 15:37 J -43877660.01 -43877659.85 -43877659.62 0.0089 0.0067
 Uranus -124844-11-03 06:44 J -43877541.42 -43877541.22 -43877540.98 0.0146 0.0097
 Neptune -124842-06-01 19:42 J -43876965.73 -43876965.68 -43876965.59 0.0089 0.0086
 Jupiter -124833-06-01 16:49 J -43873678.08 -43873677.80 -43873677.52 0.0525 0.0057
 Saturn -124818-12-04 04:49 J -43868014.44 -43868014.30 -43868014.14 0.0260 0.0218
 Jupiter -124815-03-12 13:13 J -43867185.20 -43867184.95 -43867184.70 0.0500 0.0192
 Saturn -124804-11-28 23:47 J -43862905.67 -43862905.51 -43862905.32 0.0299 0.0247
 Uranus -124801-03-01 02:11 J -43862082.67 -43862082.41 -43862082.09 0.0132 0.0060
 Uranus -124799-02-01 18:30 J -43861379.87 -43861379.73 -43861379.52 0.0132 0.0112
 Jupiter -124797-03-08 17:32 J -43860613.89 -43860613.77 -43860613.62 0.0524 0.0454
 Saturn -124789-01-27 07:27 J -43857733.44 -43857733.19 -43857732.93 0.0263 0.0111
 Jupiter -124780-12-15 01:42 J -43854123.69 -43854123.43 -43854123.16 0.0501 0.0106
 Neptune -124776-12-16 23:47 J -43852660.62 -43852660.51 -43852660.33 0.0089 0.0080
 Neptune -124774-11-12 08:54 J -43851965.35 -43851965.13 -43851964.86 0.0089 0.0059
 Saturn -124773-01-23 20:39 J -43851892.93 -43851892.64 -43851892.33 0.0301 0.0086
 Neptune -124772-10-07 19:27 J -43851269.97 -43851269.69 -43851269.38 0.0089 0.0037
 Neptune -124770-09-03 06:59 J -43850574.53 -43850574.21 -43850573.89 0.0089 0.0015
 Neptune -124768-07-29 19:42 J -43849879.00 -43849878.68 -43849878.35 0.0088 0.0007
 Neptune -124766-06-25 09:51 J -43849183.38 -43849183.09 -43849182.76 0.0088 0.0030

Neptune -124764-05-21 01:27 J -43848487.69 -43848487.44 -43848487.16 0.0088 0.0052
 Neptune -124762-04-16 18:01 J -43847791.92 -43847791.75 -43847791.56 0.0088 0.0074
 Uranus -124761-07-26 22:06 J -43847324.85 -43847324.58 -43847324.29 0.0147 0.0041
 Saturn -124759-03-14 13:13 J -43846729.22 -43846728.95 -43846728.68 0.0261 0.0069
 Jupiter -124744-09-19 01:13 J -43841061.59 -43841061.45 -43841061.29 0.0501 0.0418
 Saturn -124729-04-29 10:06 J -43835725.15 -43835725.08 -43835724.98 0.0261 0.0248
 Uranus -124717-10-25 08:39 J -43831163.46 -43831163.14 -43831162.81 0.0132 0.0002
 Saturn -124715-04-26 08:54 J -43830615.35 -43830615.13 -43830614.88 0.0299 0.0194
 Jupiter -124715-11-19 02:54 J -43830408.63 -43830408.38 -43830408.12 0.0526 0.0231
 Saturn -124701-06-22 18:44 J -43825443.98 -43825443.72 -43825443.45 0.0262 0.0084
 Jupiter -124697-08-31 05:32 J -43823913.43 -43823913.27 -43823913.12 0.0499 0.0403
 Neptune -124694-10-31 16:06 J -43822756.91 -43822756.83 -43822756.70 0.0089 0.0083
 Neptune -124692-09-25 02:39 J -43822062.58 -43822062.39 -43822062.15 0.0089 0.0063
 Neptune -124690-08-20 11:32 J -43821368.26 -43821368.02 -43821367.73 0.0089 0.0043
 Neptune -124688-07-14 20:39 J -43820673.93 -43820673.64 -43820673.34 0.0089 0.0022
 Neptune -124686-06-09 04:06 J -43819979.63 -43819979.33 -43819979.03 0.0089 0.0002
 Saturn -124685-06-20 06:44 J -43819602.48 -43819602.22 -43819601.93 0.0301 0.0137
 Neptune -124684-05-03 09:37 J -43819285.38 -43819285.10 -43819284.79 0.0089 0.0019
 Neptune -124682-03-28 14:54 J -43818591.13 -43818590.88 -43818590.59 0.0089 0.0039
 Neptune -124680-02-19 20:25 J -43817896.88 -43817896.65 -43817896.43 0.0089 0.0058
 Jupiter -124679-08-26 03:51 J -43817344.60 -43817344.34 -43817344.07 0.0525 0.0171
 Neptune -124678-01-14 22:35 J -43817202.68 -43817202.56 -43817202.39 0.0089 0.0078
 Uranus -124676-03-22 08:25 J -43816405.43 -43816405.15 -43816404.86 0.0147 0.0035
 Saturn -124671-08-08 20:39 J -43814439.89 -43814439.64 -43814439.37 0.0261 0.0099
 Jupiter -124661-06-04 12:44 J -43810852.23 -43810851.97 -43810851.71 0.0500 0.0116
 Saturn -124643-10-01 21:37 J -43804158.70 -43804158.60 -43804158.47 0.0264 0.0241
 Uranus -124634-07-18 19:13 J -43800946.86 -43800946.70 -43800946.49 0.0132 0.0109
 Uranus -124632-06-20 13:13 J -43800244.22 -43800243.95 -43800243.65 0.0132 0.0063
 Saturn -124627-09-22 01:13 J -43798324.72 -43798324.45 -43798324.17 0.0300 0.0141
 Jupiter -124625-03-09 07:13 J -43797790.44 -43797790.20 -43797789.95 0.0500 0.0192

Saturn -124613-11-17 05:47 J -43793154.53 -43793154.26 -43793153.98 0.0262 0.0055
 Neptune -124612-07-31 06:01 J -43792898.29 -43792898.25 -43792898.12 0.0089 0.0086
 Neptune -124610-06-26 13:56 J -43792203.12 -43792202.92 -43792202.68 0.0089 0.0065
 Neptune -124608-05-21 22:35 J -43791507.82 -43791507.56 -43791507.26 0.0089 0.0044
 Neptune -124606-04-17 09:23 J -43790812.41 -43790812.11 -43790811.78 0.0089 0.0023
 Neptune -124604-03-12 21:37 J -43790116.93 -43790116.60 -43790116.27 0.0089 0.0001
 Neptune -124602-02-06 10:20 J -43789421.37 -43789421.07 -43789420.73 0.0088 0.0022
 Neptune -124600-01-02 00:44 J -43788725.73 -43788725.47 -43788725.15 0.0088 0.0044
 Neptune -124599-11-28 16:49 J -43788030.00 -43788029.80 -43788029.55 0.0088 0.0065
 Neptune -124597-10-24 08:54 J -43787334.16 -43787334.13 -43787334.02 0.0088 0.0087
 Saturn -124597-11-15 23:32 J -43787311.76 -43787311.52 -43787311.28 0.0301 0.0190
 Uranus -124594-12-14 04:06 J -43786188.53 -43786188.33 -43786188.11 0.0147 0.0102
 Uranus -124592-11-15 20:39 J -43785485.82 -43785485.64 -43785485.43 0.0146 0.0110
 Pluto -124590-12-14 21:51 J -43784726.79 -43784726.59 -43784726.33 0.0065 0.0044
 Saturn -124582-01-03 13:13 J -43782150.19 -43782149.95 -43782149.70 0.0261 0.0126
 Jupiter -124560-02-11 02:54 J -43774075.65 -43774075.38 -43774075.11 0.0526 0.0137
 Saturn -124554-02-26 10:06 J -43771869.24 -43771869.08 -43771868.91 0.0263 0.0214
 Uranus -124549-03-12 22:06 J -43770027.87 -43770027.58 -43770027.26 0.0132 0.0049
 Uranus -124547-02-13 15:51 J -43769324.93 -43769324.84 -43769324.71 0.0133 0.0124
 Jupiter -124543-11-24 04:20 J -43767580.51 -43767580.32 -43767580.11 0.0499 0.0334
 Saturn -124538-02-17 07:42 J -43766034.47 -43766034.18 -43766033.88 0.0300 0.0098
 Neptune -124528-05-10 00:59 J -43762299.64 -43762299.46 -43762299.26 0.0089 0.0069
 Neptune -124526-04-04 12:30 J -43761605.22 -43761604.98 -43761604.72 0.0089 0.0049
 Jupiter -124525-11-17 22:35 J -43761011.80 -43761011.56 -43761011.31 0.0525 0.0255
 Neptune -124524-02-26 21:23 J -43760910.89 -43760910.61 -43760910.31 0.0089 0.0029
 Saturn -124524-04-13 21:08 J -43760864.90 -43760864.62 -43760864.34 0.0262 0.0029
 Neptune -124522-01-22 06:01 J -43760216.55 -43760216.25 -43760215.95 0.0089 0.0009
 Neptune -124521-12-16 13:27 J -43759522.24 -43759521.94 -43759521.64 0.0089 0.0011
 Neptune -124519-11-10 18:44 J -43758827.99 -43758827.72 -43758827.43 0.0089 0.0031
 Neptune -124517-10-04 23:32 J -43758133.76 -43758133.52 -43758133.27 0.0089 0.0050

Neptune -124515-08-30 03:37 J -43757439.50 -43757439.35 -43757439.13 0.0089 0.0070
 Neptune -124513-07-24 07:27 J -43756745.21 -43756745.19 -43756745.15 0.0089 0.0088
 Uranus -124509-08-08 13:13 J -43755269.22 -43755268.95 -43755268.65 0.0147 0.0027
 Saturn -124508-04-13 04:20 J -43755021.50 -43755021.32 -43755021.12 0.0302 0.0236
 Jupiter -124507-08-28 22:35 J -43754518.82 -43754518.56 -43754518.29 0.0500 0.0027
 Pluto -124502-06-28 02:25 J -43752754.65 -43752754.40 -43752754.13 0.0079 0.0047
 Saturn -124494-05-30 19:56 J -43749860.90 -43749860.67 -43749860.44 0.0261 0.0149
 Jupiter -124471-06-02 16:35 J -43741457.03 -43741456.81 -43741456.58 0.0501 0.0285
 Saturn -124466-07-23 20:54 J -43739579.82 -43739579.63 -43739579.43 0.0263 0.0190
 Uranus -124465-11-05 21:08 J -43739108.95 -43739108.62 -43739108.30 0.0132 0.0011
 Saturn -124450-07-14 20:54 J -43733744.93 -43733744.63 -43733744.33 0.0301 0.0063
 Neptune -124446-02-07 22:20 J -43732440.74 -43732440.57 -43732440.35 0.0089 0.0071
 Neptune -124444-01-03 06:30 J -43731745.47 -43731745.23 -43731744.94 0.0089 0.0051
 Neptune -124443-11-29 15:37 J -43731050.14 -43731049.85 -43731049.52 0.0089 0.0030
 Jupiter -124442-07-31 06:30 J -43730806.38 -43730806.23 -43730806.08 0.0527 0.0441
 Neptune -124441-10-25 02:39 J -43730354.70 -43730354.39 -43730354.05 0.0089 0.0009
 Neptune -124439-09-20 14:25 J -43729659.21 -43729658.90 -43729658.56 0.0089 0.0014
 Neptune -124437-08-16 03:08 J -43728963.65 -43728963.37 -43728963.05 0.0088 0.0035
 Saturn -124436-09-07 22:06 J -43728575.86 -43728575.58 -43728575.29 0.0261 0.0011
 Neptune -124435-07-12 17:18 J -43728268.00 -43728267.78 -43728267.49 0.0088 0.0057
 Neptune -124433-06-07 09:08 J -43727572.24 -43727572.12 -43727571.92 0.0088 0.0078
 Uranus -124424-04-03 14:54 J -43724350.15 -43724349.88 -43724349.59 0.0147 0.0045
 Saturn -124420-09-07 01:13 J -43722732.61 -43722732.45 -43722732.28 0.0302 0.0254
 Jupiter -124406-05-07 14:39 J -43717742.18 -43717741.89 -43717741.61 0.0526 0.0026
 Saturn -124406-10-24 22:06 J -43717571.79 -43717571.58 -43717571.36 0.0260 0.0166
 Jupiter -124388-02-17 04:20 J -43711246.56 -43711246.32 -43711246.08 0.0499 0.0224
 Uranus -124382-07-30 01:27 J -43708892.63 -43708892.44 -43708892.22 0.0132 0.0103
 Uranus -124380-07-01 18:59 J -43708189.97 -43708189.71 -43708189.42 0.0132 0.0071
 Saturn -124378-12-17 16:06 J -43707291.02 -43707290.83 -43707290.61 0.0263 0.0175
 Jupiter -124370-02-11 23:32 J -43704677.70 -43704677.52 -43704677.33 0.0525 0.0390

Neptune -124365-12-23 00:15 J -43702536.63 -43702536.49 -43702536.30 0.0089 0.0075
 Neptune -124363-11-17 11:32 J -43701842.23 -43701842.02 -43701841.75 0.0089 0.0056
 Saturn -124362-12-07 21:51 J -43701456.89 -43701456.59 -43701456.29 0.0300 0.0059
 Neptune -124361-10-11 22:35 J -43701147.82 -43701147.56 -43701147.26 0.0089 0.0036
 Neptune -124359-09-06 07:27 J -43700453.48 -43700453.19 -43700452.88 0.0089 0.0016
 Neptune -124357-07-31 15:23 J -43699759.16 -43699758.86 -43699758.56 0.0089 0.0004
 Neptune -124355-06-25 22:35 J -43699064.84 -43699064.56 -43699064.26 0.0089 0.0024
 Neptune -124353-05-20 04:35 J -43698370.56 -43698370.31 -43698370.03 0.0089 0.0043
 Jupiter -124353-11-21 22:35 J -43698184.82 -43698184.56 -43698184.30 0.0500 0.0089
 Neptune -124351-04-14 09:08 J -43697676.31 -43697676.12 -43697675.88 0.0089 0.0062
 Neptune -124349-03-08 13:27 J -43696982.03 -43696981.94 -43696981.78 0.0089 0.0081
 Saturn -124347-02-01 18:44 J -43696287.00 -43696286.72 -43696286.44 0.0261 0.0005
 Pluto -124343-05-07 21:23 J -43694730.75 -43694730.61 -43694730.41 0.0066 0.0055
 Uranus -124342-12-25 18:30 J -43694133.93 -43694133.73 -43694133.50 0.0147 0.0101
 Uranus -124340-11-27 10:49 J -43693431.23 -43693431.05 -43693430.86 0.0146 0.0113
 Saturn -124331-01-31 02:39 J -43690444.52 -43690444.39 -43690444.24 0.0302 0.0268
 Saturn -124317-03-19 08:54 J -43685283.33 -43685283.13 -43685282.92 0.0260 0.0175
 Jupiter -124317-08-26 21:51 J -43685122.74 -43685122.59 -43685122.43 0.0501 0.0409
 Uranus -124297-03-24 00:44 J -43677973.77 -43677973.47 -43677973.15 0.0132 0.0044
 Uranus -124295-02-24 18:15 J -43677270.78 -43677270.74 -43677270.68 0.0133 0.0131
 Saturn -124289-05-12 04:35 J -43675002.52 -43675002.31 -43675002.08 0.0263 0.0163
 Jupiter -124288-10-24 21:23 J -43674471.85 -43674471.61 -43674471.37 0.0526 0.0284
 Neptune -124283-09-22 07:42 J -43672678.30 -43672678.18 -43672677.98 0.0089 0.0077
 Neptune -124281-08-17 14:25 J -43671983.12 -43671982.90 -43671982.62 0.0089 0.0057
 Neptune -124279-07-13 23:18 J -43671287.81 -43671287.53 -43671287.22 0.0089 0.0036
 Neptune -124277-06-08 08:25 J -43670592.45 -43670592.15 -43670591.81 0.0089 0.0016
 Neptune -124275-05-04 19:56 J -43669896.99 -43669896.67 -43669896.34 0.0089 0.0006
 Neptune -124273-03-30 08:25 J -43669201.45 -43669201.15 -43669200.83 0.0089 0.0027
 Saturn -124273-05-01 06:15 J -43669169.55 -43669169.24 -43669168.94 0.0301 0.0055
 Neptune -124271-02-23 22:06 J -43668505.85 -43668505.58 -43668505.30 0.0088 0.0048

Jupiter -124270-08-10 00:30 J -43667973.63 -43667973.48 -43667973.32 0.0499 0.0402
 Neptune -124269-01-20 12:44 J -43667810.16 -43667809.97 -43667809.75 0.0088 0.0069
 Saturn -124259-06-27 22:20 J -43663998.85 -43663998.57 -43663998.29 0.0261 0.0011
 Uranus -124257-08-19 18:44 J -43663214.99 -43663214.72 -43663214.42 0.0147 0.0032
 Jupiter -124252-08-01 10:35 J -43661407.33 -43661407.06 -43661406.78 0.0526 0.0141
 Saturn -124243-06-24 19:13 J -43658157.85 -43658157.70 -43658157.52 0.0302 0.0252
 Jupiter -124234-05-14 16:49 J -43654912.06 -43654911.80 -43654911.53 0.0500 0.0091
 Saturn -124229-08-12 13:56 J -43652995.11 -43652994.92 -43652994.71 0.0260 0.0183
 Uranus -124213-11-17 01:13 J -43647054.77 -43647054.45 -43647054.13 0.0132 0.0016
 Neptune -124201-08-06 23:47 J -43642773.60 -43642773.51 -43642773.34 0.0089 0.0081
 Saturn -124201-10-05 02:11 J -43642714.62 -43642714.41 -43642714.18 0.0263 0.0159
 Neptune -124199-07-02 12:59 J -43642079.17 -43642078.96 -43642078.73 0.0089 0.0061
 Jupiter -124198-02-16 17:32 J -43641850.00 -43641849.77 -43641849.53 0.0500 0.0233
 Neptune -124197-05-26 23:47 J -43641384.76 -43641384.51 -43641384.22 0.0089 0.0042
 Neptune -124195-04-21 11:03 J -43640690.32 -43640690.04 -43640689.73 0.0089 0.0023
 Neptune -124193-03-15 20:25 J -43639995.95 -43639995.65 -43639995.34 0.0089 0.0003
 Neptune -124191-02-08 03:23 J -43639301.64 -43639301.36 -43639301.04 0.0089 0.0017
 Neptune -124189-01-03 10:35 J -43638607.32 -43638607.06 -43638606.77 0.0089 0.0036
 Neptune -124188-11-27 16:06 J -43637913.04 -43637912.83 -43637912.57 0.0089 0.0055
 Neptune -124186-10-22 20:11 J -43637218.80 -43637218.66 -43637218.46 0.0089 0.0073
 Saturn -124185-09-22 16:20 J -43636883.11 -43636882.82 -43636882.51 0.0300 0.0074
 Uranus -124172-04-14 23:32 J -43632295.80 -43632295.52 -43632295.24 0.0147 0.0042
 Saturn -124171-11-20 23:03 J -43631710.82 -43631710.54 -43631710.26 0.0262 0.0018
 Saturn -124155-11-16 12:44 J -43625871.13 -43625870.97 -43625870.78 0.0302 0.0248
 Saturn -124140-01-05 10:49 J -43620707.23 -43620707.05 -43620706.84 0.0260 0.0185
 Jupiter -124133-01-20 02:39 J -43618136.67 -43618136.39 -43618136.11 0.0526 0.0105
 Uranus -124130-08-10 07:13 J -43616838.40 -43616838.20 -43616837.97 0.0132 0.0098
 Uranus -124128-07-13 01:56 J -43616135.67 -43616135.42 -43616135.14 0.0132 0.0078
 Neptune -124119-05-06 20:54 J -43612915.72 -43612915.63 -43612915.47 0.0089 0.0082
 Neptune -124117-04-01 01:56 J -43612220.63 -43612220.42 -43612220.17 0.0089 0.0062

Jupiter -124116-11-03 14:54 J -43611639.10 -43611638.88 -43611638.65 0.0500 0.0266
 Neptune -124115-02-25 09:08 J -43611525.40 -43611525.12 -43611524.83 0.0089 0.0042
 Neptune -124113-01-21 18:01 J -43610830.05 -43610829.75 -43610829.42 0.0089 0.0022
 Saturn -124112-02-27 23:47 J -43610426.73 -43610426.51 -43610426.27 0.0263 0.0152
 Neptune -124112-12-17 04:06 J -43610134.66 -43610134.33 -43610134.01 0.0089 0.0002
 Neptune -124110-11-12 14:39 J -43609439.20 -43609438.89 -43609438.56 0.0089 0.0020
 Neptune -124108-10-08 03:37 J -43608743.64 -43608743.35 -43608743.06 0.0089 0.0040
 Neptune -124106-09-03 16:20 J -43608048.03 -43608047.82 -43608047.55 0.0088 0.0061
 Neptune -124104-07-30 07:27 J -43607352.31 -43607352.19 -43607352.05 0.0088 0.0081
 Jupiter -124098-10-27 14:25 J -43605072.11 -43605071.90 -43605071.67 0.0525 0.0324
 Saturn -124096-02-14 13:42 J -43604596.23 -43604595.93 -43604595.63 0.0300 0.0073
 Uranus -124089-01-06 17:03 J -43602078.99 -43602078.79 -43602078.56 0.0147 0.0098
 Uranus -124088-12-09 07:13 J -43601376.35 -43601376.20 -43601376.00 0.0146 0.0118
 Saturn -124082-04-15 20:11 J -43599422.94 -43599422.66 -43599422.38 0.0261 0.0022
 Jupiter -124080-08-08 15:08 J -43598577.14 -43598576.87 -43598576.61 0.0500 0.0058
 Saturn -124066-04-10 03:23 J -43593584.54 -43593584.36 -43593584.15 0.0301 0.0232
 Saturn -124052-05-31 12:30 J -43588419.15 -43588418.98 -43588418.78 0.0261 0.0196
 Uranus -124045-04-04 07:56 J -43585919.47 -43585919.17 -43585918.84 0.0132 0.0038
 Jupiter -124044-05-13 09:51 J -43585515.26 -43585515.09 -43585514.92 0.0501 0.0382
 Neptune -124037-03-21 23:03 J -43583010.59 -43583010.54 -43583010.42 0.0089 0.0086
 Neptune -124035-02-14 13:42 J -43582316.10 -43582315.93 -43582315.69 0.0089 0.0067
 Neptune -124033-01-10 02:11 J -43581621.64 -43581621.41 -43581621.13 0.0089 0.0048
 Neptune -124032-12-04 12:59 J -43580927.23 -43580926.96 -43580926.65 0.0089 0.0029
 Neptune -124030-10-29 23:32 J -43580232.83 -43580232.52 -43580232.22 0.0089 0.0009
 Neptune -124028-09-23 08:25 J -43579538.45 -43579538.15 -43579537.84 0.0089 0.0010
 Neptune -124026-08-18 15:08 J -43578844.14 -43578843.87 -43578843.57 0.0089 0.0029
 Neptune -124024-07-12 21:51 J -43578149.82 -43578149.59 -43578149.31 0.0089 0.0048
 Saturn -124024-07-23 23:47 J -43578138.74 -43578138.51 -43578138.27 0.0263 0.0146
 Neptune -124022-06-07 04:20 J -43577455.50 -43577455.32 -43577455.09 0.0089 0.0066
 Neptune -124020-05-01 08:54 J -43576761.19 -43576761.13 -43576761.00 0.0089 0.0084

Jupiter -124015-07-09 11:18 J -43574866.23 -43574866.03 -43574865.82 0.0526 0.0364
 Saturn -124008-07-09 17:18 J -43572309.07 -43572308.78 -43572308.47 0.0299 0.0077
 Uranus -124005-09-01 03:37 J -43571159.64 -43571159.35 -43571159.06 0.0147 0.0021

124TH MILLENNIUM BCE

This is a list of transits of Mars in the 124th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-123997-04-25 09:08 J	-43568366.23	-43568366.12	-43568366.01	0.0499	0.0451		
Saturn	-123994-09-09 00:15 J	-43567134.77	-43567134.49	-43567134.21	0.0262	0.0036		
Jupiter	-123979-04-16 01:42 J	-43561801.71	-43561801.43	-43561801.14	0.0525	0.0072		
Saturn	-123978-09-02 22:06 J	-43561296.75	-43561296.58	-43561296.40	0.0302	0.0249		
Saturn	-123964-10-24 21:23 J	-43556130.78	-43556130.61	-43556130.44	0.0261	0.0206		
Jupiter	-123961-01-29 04:20 J	-43555304.57	-43555304.32	-43555304.06	0.0500	0.0133		
Uranus	-123961-11-28 05:47 J	-43555000.58	-43555000.26	-43554999.93	0.0132	0.0022		
Neptune	-123956-12-19 11:03 J	-43553153.09	-43553153.04	-43553152.93	0.0089	0.0086		
Neptune	-123954-11-14 15:51 J	-43552458.04	-43552457.84	-43552457.62	0.0089	0.0067		
Neptune	-123952-10-09 20:39 J	-43551762.89	-43551762.64	-43551762.35	0.0089	0.0048		
Neptune	-123950-09-05 03:51 J	-43551067.64	-43551067.34	-43551067.02	0.0089	0.0028		
Neptune	-123948-07-31 12:59 J	-43550372.28	-43550371.96	-43550371.64	0.0089	0.0008		
Neptune	-123946-06-26 23:03 J	-43549676.85	-43549676.54	-43549676.21	0.0089	0.0013		
Neptune	-123944-05-22 10:06 J	-43548981.37	-43548981.08	-43548980.76	0.0089	0.0033		

Jupiter -123943-01-21 13:56 J -43548736.99 -43548736.92 -43548736.83 0.0524 0.0502
 Neptune -123942-04-17 23:18 J -43548285.78 -43548285.53 -43548285.25 0.0089 0.0053
 Neptune -123940-03-13 13:13 J -43547590.11 -43547589.95 -43547589.74 0.0088 0.0073
 Saturn -123936-12-17 10:06 J -43545850.32 -43545850.08 -43545849.83 0.0264 0.0128
 Jupiter -123926-11-02 15:51 J -43542243.09 -43542242.84 -43542242.59 0.0501 0.0180
 Uranus -123920-04-27 08:39 J -43540240.40 -43540240.14 -43540239.85 0.0147 0.0054
 Saturn -123920-12-03 08:11 J -43540020.46 -43540020.16 -43540019.85 0.0299 0.0048
 Saturn -123905-02-02 17:47 J -43534846.03 -43534845.76 -43534845.48 0.0262 0.0052
 Saturn -123889-01-27 15:23 J -43529007.97 -43529007.86 -43529007.71 0.0301 0.0271
 Uranus -123878-08-21 06:44 J -43524784.44 -43524784.22 -43524783.99 0.0132 0.0095
 Uranus -123876-07-24 01:42 J -43524081.66 -43524081.43 -43524081.15 0.0132 0.0083
 Saturn -123875-03-20 17:32 J -43523841.88 -43523841.77 -43523841.62 0.0261 0.0230
 Neptune -123872-09-29 13:27 J -43522553.09 -43522552.94 -43522552.72 0.0089 0.0072
 Neptune -123870-08-25 03:51 J -43521858.57 -43521858.34 -43521858.07 0.0089 0.0053
 Neptune -123868-07-19 16:20 J -43521164.09 -43521163.82 -43521163.53 0.0089 0.0034
 Neptune -123866-06-14 02:39 J -43520469.68 -43520469.39 -43520469.07 0.0089 0.0016
 Neptune -123864-05-08 12:44 J -43519775.27 -43519774.97 -43519774.66 0.0089 0.0004
 Neptune -123862-04-02 22:20 J -43519080.86 -43519080.57 -43519080.27 0.0089 0.0022
 Jupiter -123861-10-02 17:47 J -43518532.02 -43518531.76 -43518531.50 0.0526 0.0220
 Neptune -123860-02-25 04:49 J -43518386.55 -43518386.30 -43518386.01 0.0089 0.0041
 Neptune -123858-01-20 11:03 J -43517692.24 -43517692.04 -43517691.79 0.0089 0.0059
 Neptune -123857-12-14 16:49 J -43516997.92 -43516997.80 -43516997.62 0.0089 0.0077
 Pluto -123852-03-31 03:37 J -43515430.59 -43515430.35 -43515430.04 0.0065 0.0031
 Saturn -123847-05-13 12:15 J -43513561.24 -43513560.99 -43513560.73 0.0264 0.0107
 Jupiter -123843-07-20 08:11 J -43512032.34 -43512032.16 -43512031.96 0.0499 0.0343
 Uranus -123837-01-18 16:06 J -43510024.04 -43510023.83 -43510023.59 0.0147 0.0093
 Uranus -123836-12-21 06:01 J -43509321.38 -43509321.25 -43509321.08 0.0146 0.0125
 Saturn -123831-04-29 22:20 J -43507730.88 -43507730.57 -43507730.27 0.0299 0.0012
 Jupiter -123825-07-10 03:23 J -43505467.62 -43505467.36 -43505467.10 0.0525 0.0213
 Saturn -123817-06-28 19:56 J -43502556.92 -43502556.67 -43502556.39 0.0263 0.0080

Jupiter -123807-04-23 12:15 J -43498971.26 -43498970.99 -43498970.72 0.0500 0.0043
 Uranus -123793-04-15 01:56 J -43493865.73 -43493865.42 -43493865.10 0.0132 0.0036
 Neptune -123790-06-29 04:49 J -43492695.46 -43492695.30 -43492695.08 0.0089 0.0072
 Neptune -123788-05-24 09:51 J -43492000.33 -43492000.09 -43491999.82 0.0089 0.0053
 Saturn -123787-08-15 03:08 J -43491552.42 -43491552.37 -43491552.30 0.0261 0.0254
 Neptune -123786-04-19 15:08 J -43491305.15 -43491304.87 -43491304.55 0.0089 0.0034
 Neptune -123784-03-14 22:35 J -43490609.88 -43490609.56 -43490609.24 0.0089 0.0014
 Neptune -123782-02-08 07:56 J -43489914.49 -43489914.17 -43489913.84 0.0089 0.0006
 Neptune -123780-01-03 18:30 J -43489219.03 -43489218.73 -43489218.40 0.0089 0.0026
 Neptune -123779-11-30 05:47 J -43488523.52 -43488523.26 -43488522.96 0.0089 0.0046
 Neptune -123777-10-25 18:30 J -43487827.91 -43487827.73 -43487827.47 0.0088 0.0066
 Neptune -123775-09-21 08:54 J -43487132.19 -43487132.13 -43487132.00 0.0088 0.0085
 Saturn -123773-08-01 05:47 J -43486452.37 -43486452.26 -43486452.14 0.0297 0.0272
 Jupiter -123771-01-26 03:23 J -43485909.58 -43485909.36 -43485909.13 0.0500 0.0278
 Pluto -123765-10-11 15:51 J -43483458.98 -43483458.84 -43483458.68 0.0079 0.0070
 Saturn -123759-10-07 21:08 J -43481271.88 -43481271.62 -43481271.35 0.0264 0.0077
 Uranus -123753-09-12 11:03 J -43479105.32 -43479105.04 -43479104.75 0.0147 0.0025
 Saturn -123743-09-25 12:15 J -43475440.29 -43475439.99 -43475439.68 0.0299 0.0042
 Saturn -123729-11-23 11:32 J -43470267.27 -43470267.02 -43470266.76 0.0262 0.0106
 Uranus -123709-12-09 00:01 J -43462946.82 -43462946.50 -43462946.17 0.0132 0.0024
 Neptune -123708-05-14 13:42 J -43462790.08 -43462789.93 -43462789.77 0.0089 0.0076
 Jupiter -123707-12-26 21:08 J -43462198.89 -43462198.62 -43462198.34 0.0526 0.0116
 Neptune -123706-04-09 04:06 J -43462095.55 -43462095.33 -43462095.08 0.0089 0.0058
 Neptune -123704-03-03 17:47 J -43461401.01 -43461400.76 -43461400.46 0.0089 0.0040
 Neptune -123702-01-27 06:44 J -43460706.51 -43460706.22 -43460705.92 0.0089 0.0021
 Neptune -123701-12-21 17:18 J -43460012.09 -43460011.78 -43460011.48 0.0089 0.0002
 Saturn -123700-01-15 18:15 J -43459986.85 -43459986.74 -43459986.60 0.0266 0.0239
 Neptune -123699-11-16 02:11 J -43459317.70 -43459317.41 -43459317.10 0.0089 0.0016
 Neptune -123697-10-10 11:03 J -43458623.31 -43458623.04 -43458622.75 0.0089 0.0034
 Neptune -123695-09-04 18:01 J -43457928.98 -43457928.75 -43457928.49 0.0089 0.0052

Neptune -123693-07-29 23:32 J -43457234.67 -43457234.52 -43457234.30 0.0089 0.0070
 Neptune -123691-06-24 05:32 J -43456540.30 -43456540.27 -43456540.16 0.0089 0.0087
 Jupiter -123689-10-12 06:15 J -43455699.45 -43455699.24 -43455699.01 0.0499 0.0273
 Saturn -123685-12-27 20:39 J -43454161.83 -43454161.64 -43454161.43 0.0297 0.0225
 Jupiter -123671-10-02 21:08 J -43449134.84 -43449134.62 -43449134.38 0.0525 0.0301
 Saturn -123670-03-04 16:06 J -43448982.10 -43448981.83 -43448981.55 0.0264 0.0049
 Uranus -123668-05-08 09:51 J -43448186.36 -43448186.09 -43448185.81 0.0147 0.0047
 Saturn -123654-02-21 06:01 J -43443149.54 -43443149.25 -43443148.95 0.0300 0.0096
 Jupiter -123653-07-16 18:44 J -43442637.98 -43442637.72 -43442637.45 0.0500 0.0045
 Saturn -123640-04-20 00:44 J -43437977.70 -43437977.47 -43437977.22 0.0262 0.0134
 Neptune -123626-02-10 20:39 J -43432932.78 -43432932.64 -43432932.45 0.0089 0.0076
 Uranus -123626-09-01 02:10 J -43432730.63 -43432730.41 -43432730.18 0.0132 0.0094
 Neptune -123624-01-05 23:32 J -43432237.73 -43432237.52 -43432237.24 0.0089 0.0058
 Uranus -123624-08-03 22:20 J -43432027.80 -43432027.57 -43432027.30 0.0132 0.0086
 Neptune -123623-12-02 05:03 J -43431542.56 -43431542.29 -43431541.98 0.0089 0.0039
 Neptune -123621-10-27 11:18 J -43430847.34 -43430847.03 -43430846.71 0.0089 0.0020
 Neptune -123619-09-22 18:30 J -43430152.05 -43430151.73 -43430151.40 0.0089 0.0002
 Jupiter -123617-04-20 05:18 J -43429576.46 -43429576.28 -43429576.09 0.0501 0.0361
 Neptune -123617-08-18 03:37 J -43429456.67 -43429456.35 -43429456.03 0.0089 0.0019
 Neptune -123615-07-14 13:56 J -43428761.19 -43428760.92 -43428760.60 0.0089 0.0039
 Neptune -123613-06-09 01:56 J -43428065.65 -43428065.42 -43428065.16 0.0089 0.0058
 Saturn -123612-06-12 12:15 J -43427697.16 -43427696.99 -43427696.82 0.0265 0.0211
 Neptune -123611-05-05 14:54 J -43427370.02 -43427369.88 -43427369.70 0.0088 0.0077
 Pluto -123606-08-22 17:32 J -43425434.95 -43425434.77 -43425434.50 0.0065 0.0046
 Saturn -123596-05-25 04:49 J -43421871.55 -43421871.30 -43421871.06 0.0298 0.0178
 Jupiter -123588-06-13 08:25 J -43418930.28 -43418930.15 -43418930.00 0.0527 0.0457
 Uranus -123585-01-30 00:01 J -43417969.70 -43417969.50 -43417969.27 0.0147 0.0098
 Uranus -123583-01-01 13:42 J -43417267.07 -43417266.93 -43417266.75 0.0146 0.0122
 Saturn -123582-07-30 01:56 J -43416692.70 -43416692.42 -43416692.14 0.0263 0.0024
 Jupiter -123570-04-03 07:42 J -43412427.20 -43412427.18 -43412427.13 0.0498 0.0493

Saturn -123566-07-19 04:49 J -43410859.58 -43410859.30 -43410859.02 0.0300 0.0130
 Jupiter -123552-03-20 19:13 J -43405865.99 -43405865.70 -43405865.42 0.0526 0.0018
 Saturn -123552-09-14 11:18 J -43405688.25 -43405688.03 -43405687.80 0.0262 0.0156
 Neptune -123545-12-27 11:46 J -43403027.11 -43403027.01 -43403026.85 0.0089 0.0081
 Neptune -123543-11-22 04:20 J -43402332.51 -43402332.32 -43402332.08 0.0089 0.0063
 Uranus -123541-04-26 03:08 J -43401811.67 -43401811.37 -43401811.04 0.0132 0.0033
 Neptune -123541-10-16 18:30 J -43401637.97 -43401637.73 -43401637.44 0.0089 0.0045
 Neptune -123539-09-11 07:27 J -43400943.46 -43400943.19 -43400942.88 0.0089 0.0027
 Neptune -123537-08-05 19:56 J -43400248.97 -43400248.67 -43400248.36 0.0089 0.0008
 Neptune -123535-07-01 06:15 J -43399554.54 -43399554.24 -43399553.93 0.0089 0.0010
 Jupiter -123534-01-05 18:44 J -43399365.96 -43399365.72 -43399365.47 0.0499 0.0176
 Neptune -123533-05-25 15:08 J -43398860.15 -43398859.87 -43398859.57 0.0089 0.0028
 Neptune -123531-04-19 23:32 J -43398165.75 -43398165.52 -43398165.23 0.0089 0.0046
 Neptune -123529-03-14 07:27 J -43397471.38 -43397471.19 -43397470.96 0.0089 0.0063
 Neptune -123527-02-06 12:44 J -43396777.07 -43396776.97 -43396776.81 0.0089 0.0080
 Saturn -123524-11-06 17:32 J -43395407.95 -43395407.77 -43395407.55 0.0265 0.0190
 Jupiter -123517-12-26 07:42 J -43392801.34 -43392801.18 -43392801.00 0.0526 0.0421
 Saturn -123508-10-19 08:39 J -43389582.39 -43389582.14 -43389581.88 0.0298 0.0158
 Uranus -123501-09-24 09:37 J -43387050.38 -43387050.10 -43387049.81 0.0147 0.0021
 Jupiter -123499-10-10 06:15 J -43386304.49 -43386304.24 -43386303.98 0.0500 0.0143
 Saturn -123494-12-24 08:10 J -43384403.45 -43384403.16 -43384402.88 0.0263 0.0005
 Saturn -123478-12-13 06:58 J -43378570.47 -43378570.21 -43378569.95 0.0301 0.0159
 Saturn -123463-02-08 08:25 J -43373399.36 -43373399.15 -43373398.93 0.0261 0.0171
 Jupiter -123463-07-14 21:22 J -43373242.70 -43373242.61 -43373242.52 0.0500 0.0468
 Neptune -123463-09-25 12:01 J -43373170.10 -43373170.00 -43373169.83 0.0089 0.0080
 Neptune -123461-08-20 14:25 J -43372475.11 -43372474.90 -43372474.65 0.0089 0.0062
 Neptune -123459-07-16 17:18 J -43371780.04 -43371779.78 -43371779.48 0.0089 0.0044
 Neptune -123457-06-10 22:49 J -43371084.86 -43371084.55 -43371084.24 0.0089 0.0025
 Uranus -123457-12-20 02:10 J -43370892.71 -43370892.41 -43370892.07 0.0132 0.0030
 Neptune -123455-05-07 05:18 J -43370389.60 -43370389.28 -43370388.95 0.0089 0.0007

Neptune -123453-04-01 12:44 J -43369694.28 -43369693.97 -43369693.64 0.0089 0.0013
 Neptune -123451-02-25 22:20 J -43368998.86 -43368998.57 -43368998.25 0.0089 0.0032
 Neptune -123449-01-22 09:37 J -43368303.35 -43368303.10 -43368302.81 0.0089 0.0051
 Neptune -123448-12-17 21:51 J -43367607.77 -43367607.59 -43367607.36 0.0088 0.0070
 Neptune -123446-11-13 11:18 J -43366912.05 -43366912.03 -43366911.98 0.0088 0.0088
 Saturn -123435-04-02 16:49 J -43363119.01 -43363118.80 -43363118.58 0.0265 0.0172
 Jupiter -123434-09-07 06:30 J -43362596.45 -43362596.23 -43362595.99 0.0526 0.0319
 Saturn -123419-03-14 14:39 J -43357294.16 -43357293.89 -43357293.62 0.0298 0.0143
 Uranus -123416-05-20 19:27 J -43356130.94 -43356130.69 -43356130.41 0.0146 0.0059
 Jupiter -123416-06-27 10:06 J -43356093.25 -43356093.08 -43356092.91 0.0499 0.0375
 Saturn -123405-05-18 22:06 J -43352114.86 -43352114.58 -43352114.30 0.0263 0.0007
 Jupiter -123398-06-15 00:01 J -43349531.78 -43349531.50 -43349531.23 0.0526 0.0132
 Saturn -123389-05-06 20:54 J -43346282.88 -43346282.63 -43346282.36 0.0300 0.0155
 Neptune -123381-08-11 08:39 J -43343264.20 -43343264.14 -43343264.01 0.0089 0.0085
 Jupiter -123380-03-31 20:54 J -43343031.90 -43343031.63 -43343031.37 0.0500 0.0055
 Neptune -123379-07-07 01:56 J -43342569.61 -43342569.42 -43342569.21 0.0089 0.0067
 Neptune -123377-05-31 17:32 J -43341874.99 -43341874.77 -43341874.48 0.0089 0.0050
 Neptune -123375-04-26 08:39 J -43341180.41 -43341180.14 -43341179.83 0.0089 0.0032
 Saturn -123375-07-04 22:34 J -43341110.75 -43341110.56 -43341110.35 0.0261 0.0183
 Uranus -123374-09-12 04:49 J -43340676.53 -43340676.30 -43340676.06 0.0132 0.0090
 Neptune -123373-03-20 21:37 J -43340485.89 -43340485.60 -43340485.28 0.0089 0.0014
 Uranus -123372-08-15 00:58 J -43339973.67 -43339973.46 -43339973.20 0.0132 0.0092
 Neptune -123371-02-13 09:51 J -43339791.39 -43339791.09 -43339790.78 0.0089 0.0005
 Neptune -123369-01-08 20:10 J -43339096.95 -43339096.66 -43339096.35 0.0089 0.0022
 Neptune -123368-12-03 04:49 J -43338402.57 -43338402.30 -43338402.02 0.0089 0.0039
 Neptune -123366-10-28 12:30 J -43337708.20 -43337707.98 -43337707.74 0.0089 0.0056
 Neptune -123364-09-21 19:42 J -43337013.83 -43337013.68 -43337013.49 0.0089 0.0073
 Saturn -123347-08-26 23:03 J -43330830.76 -43330830.54 -43330830.31 0.0264 0.0164
 Jupiter -123344-01-03 15:37 J -43329970.07 -43329969.85 -43329969.63 0.0500 0.0278
 Uranus -123333-02-11 09:51 J -43325914.31 -43325914.09 -43325913.84 0.0147 0.0087

Uranus -123331-01-13 23:18 J -43325211.62 -43325211.53 -43325211.40 0.0146 0.0135
 Saturn -123331-08-06 14:54 J -43325007.14 -43325006.88 -43325006.61 0.0298 0.0152
 Saturn -123317-10-12 05:32 J -43319826.55 -43319826.27 -43319825.98 0.0263 0.0019
 Saturn -123301-09-28 22:20 J -43313995.83 -43313995.57 -43313995.31 0.0301 0.0156
 Neptune -123299-05-10 04:49 J -43313407.39 -43313407.30 -43313407.18 0.0089 0.0083
 Neptune -123297-04-04 05:03 J -43312712.48 -43312712.29 -43312712.06 0.0089 0.0066
 Neptune -123295-02-28 07:56 J -43312017.43 -43312017.17 -43312016.90 0.0089 0.0048
 Neptune -123293-01-24 12:01 J -43311322.30 -43311322.00 -43311321.70 0.0089 0.0030
 Neptune -123292-12-19 17:03 J -43310627.10 -43310626.79 -43310626.47 0.0089 0.0012
 Neptune -123290-11-15 00:01 J -43309931.82 -43309931.50 -43309931.17 0.0089 0.0007
 Uranus -123289-05-06 23:32 J -43309757.83 -43309757.52 -43309757.19 0.0132 0.0030
 Neptune -123288-10-10 07:27 J -43309236.48 -43309236.19 -43309235.86 0.0089 0.0026
 Saturn -123287-11-28 00:30 J -43308822.67 -43308822.48 -43308822.28 0.0261 0.0187
 Neptune -123286-09-05 16:49 J -43308541.07 -43308540.80 -43308540.51 0.0089 0.0044
 Neptune -123284-08-01 03:22 J -43307845.56 -43307845.36 -43307845.10 0.0089 0.0063
 Neptune -123282-06-27 16:06 J -43307149.94 -43307149.83 -43307149.67 0.0088 0.0081
 Jupiter -123280-12-02 05:32 J -43306261.55 -43306261.27 -43306261.00 0.0526 0.0141
 Jupiter -123262-09-21 21:22 J -43299758.84 -43299758.61 -43299758.37 0.0500 0.0240
 Saturn -123258-01-20 01:13 J -43298542.67 -43298542.45 -43298542.21 0.0265 0.0154
 Uranus -123249-10-06 08:25 J -43294995.44 -43294995.15 -43294994.86 0.0147 0.0014
 Jupiter -123244-09-09 01:13 J -43293196.67 -43293196.45 -43293196.22 0.0525 0.0319
 Saturn -123243-12-29 12:15 J -43292720.24 -43292719.99 -43292719.72 0.0298 0.0153
 Saturn -123228-03-07 04:06 J -43287538.61 -43287538.33 -43287538.04 0.0263 0.0023
 Jupiter -123226-06-26 17:46 J -43286697.01 -43286696.76 -43286696.49 0.0500 0.0097
 Neptune -123217-03-26 05:18 J -43283501.31 -43283501.28 -43283501.24 0.0089 0.0088
 Neptune -123215-02-18 23:32 J -43282806.69 -43282806.52 -43282806.32 0.0089 0.0071
 Neptune -123213-01-14 15:37 J -43282112.07 -43282111.85 -43282111.58 0.0089 0.0054
 Saturn -123212-02-20 10:34 J -43281709.32 -43281709.06 -43281708.78 0.0300 0.0139
 Neptune -123212-12-09 06:58 J -43281417.47 -43281417.21 -43281416.90 0.0089 0.0037
 Neptune -123210-11-03 21:37 J -43280722.89 -43280722.60 -43280722.28 0.0089 0.0019

Neptune -123208-09-28 09:51 J -43280028.39 -43280028.09 -43280027.78 0.0089 0.0001
 Neptune -123206-08-23 21:08 J -43279333.91 -43279333.62 -43279333.31 0.0089 0.0017
 Uranus -123205-12-30 20:54 J -43278838.94 -43278838.63 -43278838.30 0.0132 0.0032
 Neptune -123204-07-18 07:13 J -43278639.46 -43278639.20 -43278638.89 0.0089 0.0034
 Neptune -123202-06-12 16:20 J -43277945.06 -43277944.82 -43277944.56 0.0089 0.0050
 Neptune -123200-05-06 23:46 J -43277250.68 -43277250.51 -43277250.28 0.0089 0.0067
 Neptune -123198-04-01 07:27 J -43276556.27 -43276556.19 -43276556.05 0.0089 0.0083
 Saturn -123198-04-23 02:25 J -43276534.58 -43276534.40 -43276534.21 0.0262 0.0198
 Jupiter -123190-03-31 09:22 J -43273635.24 -43273635.11 -43273634.97 0.0501 0.0433
 Saturn -123170-06-14 22:06 J -43266254.80 -43266254.58 -43266254.33 0.0265 0.0149
 Uranus -123164-06-01 03:51 J -43264076.60 -43264076.34 -43264076.06 0.0147 0.0057
 Jupiter -123161-05-21 12:58 J -43262991.13 -43262990.96 -43262990.78 0.0526 0.0413
 Saturn -123154-05-23 06:30 J -43260433.47 -43260433.23 -43260432.96 0.0297 0.0161
 Jupiter -123143-03-13 23:03 J -43256485.66 -43256485.54 -43256485.39 0.0499 0.0426
 Saturn -123140-07-31 03:22 J -43255250.64 -43255250.36 -43255250.08 0.0264 0.0034
 Neptune -123136-12-22 21:37 J -43253644.66 -43253644.60 -43253644.51 0.0089 0.0086
 Neptune -123134-11-17 19:56 J -43252949.83 -43252949.67 -43252949.44 0.0089 0.0070
 Neptune -123132-10-12 20:25 J -43252254.87 -43252254.65 -43252254.36 0.0089 0.0053
 Neptune -123130-09-07 23:32 J -43251559.80 -43251559.52 -43251559.21 0.0089 0.0035
 Neptune -123128-08-03 03:51 J -43250864.65 -43250864.34 -43250864.02 0.0089 0.0017
 Neptune -123126-06-29 09:08 J -43250169.44 -43250169.12 -43250168.80 0.0089 0.0001
 Jupiter -123125-02-27 13:56 J -43249926.21 -43249925.92 -43249925.64 0.0525 0.0057
 Neptune -123124-05-24 16:34 J -43249474.13 -43249473.81 -43249473.49 0.0089 0.0019
 Saturn -123124-07-15 12:15 J -43249422.26 -43249421.99 -43249421.72 0.0300 0.0144
 Neptune -123122-04-20 00:30 J -43248778.75 -43248778.48 -43248778.16 0.0089 0.0038
 Uranus -123122-09-22 23:18 J -43248622.76 -43248622.53 -43248622.27 0.0132 0.0088
 Neptune -123120-03-15 10:20 J -43248083.30 -43248083.07 -43248082.79 0.0089 0.0056
 Uranus -123120-08-25 19:13 J -43247919.92 -43247919.70 -43247919.46 0.0132 0.0095
 Neptune -123118-02-08 21:37 J -43247387.75 -43247387.60 -43247387.39 0.0088 0.0074
 Pluto -123115-07-16 00:15 J -43246134.70 -43246134.49 -43246134.20 0.0065 0.0039

Saturn -123110-09-16 02:25 J -43244246.57 -43244246.40 -43244246.22 0.0262 0.0204

Jupiter -123108-12-16 17:32 J -43243424.03 -43243423.77 -43243423.51 0.0500 0.0092

Jupiter -123090-12-05 12:01 J -43236861.01 -43236861.00 -43236860.97 0.0525 0.0523

Saturn -123082-11-07 22:34 J -43233966.80 -43233966.56 -43233966.31 0.0266 0.0137

Uranus -123081-02-22 15:51 J -43233860.06 -43233859.84 -43233859.61 0.0147 0.0092

Uranus -123079-01-25 05:18 J -43233157.39 -43233157.28 -43233157.14 0.0146 0.0132

Jupiter -123072-09-20 03:51 J -43230362.57 -43230362.34 -43230362.11 0.0501 0.0235

Saturn -123066-10-15 23:46 J -43228145.76 -43228145.51 -43228145.23 0.0297 0.0147

Neptune -123052-10-03 17:46 J -43223043.90 -43223043.76 -43223043.57 0.0089 0.0075

Saturn -123052-12-24 07:56 J -43222962.44 -43222962.17 -43222961.89 0.0264 0.0043

Neptune -123050-08-29 12:01 J -43222349.21 -43222349.00 -43222348.74 0.0089 0.0058

Neptune -123048-07-24 04:06 J -43221654.59 -43221654.33 -43221654.03 0.0089 0.0041

Neptune -123046-06-18 19:13 J -43220959.99 -43220959.70 -43220959.39 0.0089 0.0024

Neptune -123044-05-13 09:51 J -43220265.40 -43220265.09 -43220264.78 0.0089 0.0007

Neptune -123042-04-07 22:06 J -43219570.88 -43219570.58 -43219570.27 0.0089 0.0011

Neptune -123040-03-02 08:54 J -43218876.40 -43218876.13 -43218875.82 0.0089 0.0028

Neptune -123038-01-25 19:27 J -43218181.95 -43218181.69 -43218181.42 0.0089 0.0044

Uranus -123037-05-18 00:44 J -43217703.78 -43217703.47 -43217703.14 0.0132 0.0025

Neptune -123037-12-20 03:22 J -43217487.55 -43217487.36 -43217487.11 0.0089 0.0061

Saturn -123036-12-08 05:18 J -43217134.53 -43217134.28 -43217134.00 0.0299 0.0150

Neptune -123035-11-14 10:49 J -43216793.20 -43216793.05 -43216792.89 0.0089 0.0076

Pluto -123027-01-25 01:42 J -43214164.74 -43214164.43 -43214164.11 0.0080 0.0018

Saturn -123021-02-09 10:34 J -43211958.19 -43211958.06 -43211957.90 0.0263 0.0222

Jupiter -123007-08-16 12:58 J -43206656.21 -43206655.96 -43206655.70 0.0526 0.0235

123RD MILLENNIUM BCE

This is a list of transits of Mars in the 123rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-122997-10-17	23:32 J	-43202940.81	-43202940.52	-43202940.23	0.0147	0.0014	
Saturn	-122993-04-02	08:54 J	-43201678.37	-43201678.13	-43201677.87	0.0266	0.0125	
Jupiter	-122989-06-07	09:37 J	-43200151.30	-43200151.10	-43200150.88	0.0499	0.0299	
Saturn	-122977-03-10	12:58 J	-43195857.23	-43195856.96	-43195856.68	0.0296	0.0127	
Jupiter	-122971-05-24	07:56 J	-43193591.42	-43193591.17	-43193590.91	0.0525	0.0232	
Neptune	-122970-07-02	11:18 J	-43193187.18	-43193187.03	-43193186.83	0.0089	0.0073	
Neptune	-122968-05-27	10:06 J	-43192492.29	-43192492.08	-43192491.80	0.0089	0.0057	
Neptune	-122966-04-22	10:49 J	-43191797.31	-43191797.05	-43191796.74	0.0089	0.0040	
Neptune	-122964-03-17	13:56 J	-43191102.23	-43191101.92	-43191101.61	0.0089	0.0022	
Saturn	-122963-05-19	21:08 J	-43190673.89	-43190673.62	-43190673.34	0.0264	0.0063	
Neptune	-122962-02-10	18:44 J	-43190407.03	-43190406.72	-43190406.39	0.0089	0.0005	
Neptune	-122960-01-06	00:15 J	-43189711.80	-43189711.49	-43189711.16	0.0089	0.0014	
Neptune	-122959-12-02	07:27 J	-43189016.47	-43189016.19	-43189015.87	0.0089	0.0032	
Neptune	-122957-10-27	16:20 J	-43188321.08	-43188320.82	-43188320.54	0.0089	0.0049	
Neptune	-122955-09-23	01:27 J	-43187625.62	-43187625.44	-43187625.19	0.0089	0.0067	
Jupiter	-122953-03-11	12:30 J	-43187090.25	-43187089.98	-43187089.72	0.0500	0.0017	
Neptune	-122953-08-18	12:58 J	-43186930.04	-43186929.96	-43186929.83	0.0088	0.0084	
Uranus	-122952-01-11	02:39 J	-43186784.69	-43186784.39	-43186784.07	0.0132	0.0039	
Saturn	-122947-05-04	06:44 J	-43184845.45	-43184845.22	-43184844.97	0.0299	0.0182	
Saturn	-122933-07-05	06:01 J	-43179669.35	-43179669.25	-43179669.11	0.0262	0.0238	
Jupiter	-122918-12-15	02:25 J	-43174028.58	-43174028.40	-43174028.20	0.0500	0.0353	
Uranus	-122912-06-13	13:13 J	-43172021.19	-43172020.95	-43172020.68	0.0147	0.0069	

Saturn -122905-08-27 05:03 J -43169389.55 -43169389.29 -43169389.03 0.0267 0.0103
 Saturn -122889-08-05 06:58 J -43163567.49 -43163567.21 -43163566.91 0.0296 0.0088
 Neptune -122888-05-18 08:39 J -43163281.24 -43163281.14 -43163280.95 0.0088 0.0079
 Neptune -122886-04-13 04:49 J -43162586.50 -43162586.30 -43162586.05 0.0089 0.0062
 Neptune -122884-03-07 23:32 J -43161891.77 -43161891.52 -43161891.24 0.0089 0.0045
 Neptune -122882-01-31 15:51 J -43161197.13 -43161196.84 -43161196.54 0.0089 0.0028
 Neptune -122881-12-26 06:01 J -43160502.55 -43160502.25 -43160501.93 0.0089 0.0012
 Neptune -122879-11-20 19:56 J -43159807.97 -43159807.67 -43159807.35 0.0089 0.0006
 Neptune -122877-10-15 08:10 J -43159113.45 -43159113.16 -43159112.86 0.0089 0.0022
 Neptune -122875-09-09 18:01 J -43158419.00 -43158418.75 -43158418.45 0.0089 0.0039
 Saturn -122875-10-14 00:58 J -43158384.72 -43158384.46 -43158384.19 0.0264 0.0083
 Neptune -122873-08-04 04:06 J -43157724.54 -43157724.33 -43157724.06 0.0089 0.0055
 Neptune -122871-06-29 13:13 J -43157030.12 -43157029.95 -43157029.75 0.0089 0.0070
 Uranus -122870-10-04 10:34 J -43156568.32 -43156568.06 -43156567.79 0.0132 0.0079
 Neptune -122869-05-23 20:39 J -43156335.71 -43156335.64 -43156335.54 0.0089 0.0085
 Pluto -122869-12-07 00:30 J -43156138.62 -43156138.48 -43156138.31 0.0065 0.0057
 Uranus -122868-09-06 06:58 J -43155865.38 -43155865.21 -43155864.99 0.0132 0.0106
 Saturn -122859-09-29 06:30 J -43152555.42 -43152555.23 -43152555.02 0.0299 0.0224
 Jupiter -122853-11-09 05:03 J -43150322.57 -43150322.29 -43150322.00 0.0526 0.0106
 Jupiter -122835-08-31 13:56 J -43143818.15 -43143817.92 -43143817.68 0.0499 0.0218
 Uranus -122829-03-06 11:03 J -43141804.27 -43141804.04 -43141803.77 0.0147 0.0076
 Jupiter -122817-08-16 11:46 J -43137258.22 -43137258.01 -43137257.79 0.0525 0.0338
 Saturn -122816-01-21 18:15 J -43137100.01 -43137099.74 -43137099.47 0.0266 0.0078
 Neptune -122806-02-14 00:01 J -43133424.64 -43133424.50 -43133424.32 0.0089 0.0076
 Neptune -122804-01-08 23:03 J -43132729.75 -43132729.54 -43132729.28 0.0089 0.0060
 Neptune -122803-12-04 23:03 J -43132034.79 -43132034.54 -43132034.24 0.0089 0.0044
 Neptune -122801-10-30 00:01 J -43131339.79 -43131339.50 -43131339.18 0.0089 0.0027
 Saturn -122801-12-31 18:01 J -43131277.05 -43131276.75 -43131276.44 0.0297 0.0039
 Jupiter -122799-06-04 23:18 J -43130756.79 -43130756.53 -43130756.28 0.0500 0.0112
 Neptune -122799-09-25 03:08 J -43130644.68 -43130644.37 -43130644.05 0.0089 0.0010

Neptune -122797-08-20 07:56 J -43129949.49 -43129949.17 -43129948.84 0.0089 0.0008
 Neptune -122795-07-16 13:56 J -43129254.23 -43129253.92 -43129253.61 0.0089 0.0025
 Neptune -122793-06-10 20:39 J -43128558.90 -43128558.64 -43128558.33 0.0089 0.0043
 Neptune -122791-05-07 05:46 J -43127863.47 -43127863.26 -43127862.99 0.0089 0.0060
 Neptune -122789-04-01 16:06 J -43127167.97 -43127167.83 -43127167.65 0.0089 0.0077
 Saturn -122786-03-10 13:27 J -43126095.19 -43126094.94 -43126094.68 0.0264 0.0111
 Uranus -122785-05-29 11:32 J -43125649.34 -43125649.02 -43125648.69 0.0132 0.0015
 Saturn -122770-02-24 22:06 J -43120264.69 -43120264.58 -43120264.44 0.0299 0.0273
 Jupiter -122763-03-09 04:20 J -43117695.44 -43117695.32 -43117695.19 0.0501 0.0436
 Saturn -122758-05-02 05:46 J -43115815.36 -43115815.26 -43115815.13 0.0268 0.0244
 Uranus -122745-10-30 18:58 J -43110885.00 -43110884.71 -43110884.42 0.0147 0.0006
 Saturn -122742-04-05 19:13 J -43109997.75 -43109997.70 -43109997.64 0.0295 0.0289
 Jupiter -122734-04-27 08:54 J -43107054.24 -43107054.13 -43107054.00 0.0527 0.0474
 Saturn -122728-06-18 10:20 J -43104810.35 -43104810.07 -43104809.79 0.0266 0.0048
 Neptune -122725-12-31 00:01 J -43103518.59 -43103518.50 -43103518.35 0.0088 0.0082
 Neptune -122723-11-25 20:10 J -43102823.84 -43102823.66 -43102823.42 0.0088 0.0066
 Neptune -122721-10-20 15:51 J -43102129.10 -43102128.84 -43102128.58 0.0089 0.0049
 Neptune -122719-09-15 09:08 J -43101434.39 -43101434.12 -43101433.81 0.0089 0.0033
 Neptune -122717-08-10 01:13 J -43100739.75 -43100739.45 -43100739.14 0.0089 0.0016
 Jupiter -122716-02-19 14:25 J -43100546.00 -43100545.90 -43100545.79 0.0499 0.0454
 Neptune -122715-07-05 15:08 J -43100045.18 -43100044.87 -43100044.56 0.0089 0.0000
 Neptune -122713-05-30 04:20 J -43099350.62 -43099350.32 -43099350.01 0.0089 0.0017
 Saturn -122712-05-29 06:15 J -43098986.55 -43098986.24 -43098985.94 0.0297 0.0004
 Neptune -122711-04-24 16:49 J -43098656.07 -43098655.80 -43098655.50 0.0089 0.0033
 Neptune -122709-03-19 02:54 J -43097961.61 -43097961.38 -43097961.10 0.0089 0.0049
 Neptune -122707-02-11 12:44 J -43097267.17 -43097266.97 -43097266.75 0.0089 0.0064
 Neptune -122705-01-06 21:22 J -43096572.73 -43096572.61 -43096572.46 0.0089 0.0079
 Uranus -122700-01-22 12:15 J -43094730.27 -43094729.99 -43094729.66 0.0132 0.0051
 Jupiter -122698-02-01 22:34 J -43093989.85 -43093989.56 -43093989.27 0.0526 0.0012
 Saturn -122698-08-05 07:56 J -43093805.41 -43093805.17 -43093804.92 0.0264 0.0138

Jupiter -122681-11-23 21:08 J -43087484.87 -43087484.62 -43087484.37 0.0499 0.0128
 Saturn -122670-09-26 23:03 J -43083525.70 -43083525.54 -43083525.36 0.0268 0.0215
 Jupiter -122663-11-09 13:56 J -43080925.06 -43080924.92 -43080924.76 0.0526 0.0451
 Uranus -122662-07-24 05:32 J -43080668.27 -43080668.27 -43080668.23 0.0148 0.0148
 Uranus -122660-06-25 20:10 J -43079965.89 -43079965.66 -43079965.41 0.0147 0.0082
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 Jupiter -122645-08-28 02:25 J -43074423.64 -43074423.40 -43074423.16 0.0500 0.0198
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 Neptune -122624-10-10 04:20 J -43066710.39 -43066710.32 -43066710.25 0.0089 0.0086
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 Uranus -122616-09-17 14:25 J -43063811.02 -43063810.90 -43063810.72 0.0132 0.0117
 Saturn -122610-12-30 18:58 J -43061515.92 -43061515.71 -43061515.48 0.0263 0.0161
 Saturn -122581-02-21 12:58 J -43051236.15 -43051235.96 -43051235.75 0.0267 0.0188
 Jupiter -122580-07-20 15:22 J -43050721.06 -43050720.86 -43050720.64 0.0526 0.0355
 Uranus -122577-03-18 06:44 J -43049749.46 -43049749.22 -43049748.95 0.0147 0.0071
 Saturn -122565-01-26 06:15 J -43045418.43 -43045418.24 -43045418.04 0.0295 0.0224
 Jupiter -122562-05-16 06:15 J -43044212.42 -43044212.24 -43044212.05 0.0499 0.0350
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 Neptune -122542-08-21 18:44 J -43036809.87 -43036809.72 -43036809.53 0.0089 0.0073
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 Jupiter -122526-02-17 11:18 J -43031151.29 -43031151.03 -43031150.76 0.0500 0.0023
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 Saturn -122493-07-17 07:27 J -43018947.39 -43018947.19 -43018946.96 0.0267 0.0173
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 Jupiter -122491-11-22 00:30 J -43018089.68 -43018089.48 -43018089.28 0.0500 0.0319
 Neptune -122479-05-13 00:15 J -43013899.58 -43013899.49 -43013899.33 0.0089 0.0082
 Neptune -122477-04-06 20:10 J -43013204.83 -43013204.66 -43013204.42 0.0089 0.0067
 Saturn -122477-06-20 06:15 J -43013130.43 -43013130.24 -43013130.03 0.0295 0.0220
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 Neptune -122473-01-26 16:06 J -43011815.09 -43011814.83 -43011814.51 0.0089 0.0036
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 Neptune -122470-11-16 18:58 J -43010425.02 -43010424.71 -43010424.38 0.0089 0.0003
 Neptune -122468-10-11 21:37 J -43009729.91 -43009729.60 -43009729.27 0.0089 0.0014
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 Saturn -122463-09-03 01:42 J -43007942.71 -43007942.43 -43007942.15 0.0265 0.0015

Neptune -122462-06-28 16:49 J -43007644.02 -43007643.80 -43007643.57 0.0089 0.0063
 Neptune -122460-05-24 01:13 J -43006948.55 -43006948.45 -43006948.26 0.0089 0.0080
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 Saturn -122447-08-12 22:06 J -43002119.87 -43002119.58 -43002119.28 0.0298 0.0072
 Saturn -122433-10-19 06:30 J -42996938.42 -42996938.23 -42996938.03 0.0263 0.0188
 Jupiter -122426-10-15 00:58 J -42994386.73 -42994386.46 -42994386.20 0.0526 0.0191
 Uranus -122410-08-05 14:25 J -42988613.00 -42988612.90 -42988612.77 0.0148 0.0136
 Uranus -122408-07-08 06:15 J -42987910.44 -42987910.24 -42987910.00 0.0147 0.0096
 Jupiter -122408-08-09 09:51 J -42987878.32 -42987878.09 -42987877.85 0.0500 0.0223
 Saturn -122405-12-10 15:22 J -42986659.09 -42986658.86 -42986658.63 0.0267 0.0160
 Neptune -122397-03-28 18:58 J -42983993.73 -42983993.71 -42983993.65 0.0088 0.0088
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 Neptune -122393-01-17 15:37 J -42982604.08 -42982603.85 -42982603.60 0.0088 0.0057
 Neptune -122392-12-12 11:32 J -42981909.27 -42981909.02 -42981908.72 0.0089 0.0042
 Jupiter -122390-07-23 01:56 J -42981321.65 -42981321.42 -42981321.17 0.0525 0.0298
 Neptune -122390-11-07 05:32 J -42981214.55 -42981214.27 -42981213.95 0.0089 0.0026
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 Neptune -122388-10-01 22:49 J -42980519.85 -42980519.55 -42980519.23 0.0089 0.0010
 Neptune -122386-08-27 14:39 J -42979825.19 -42979824.89 -42979824.58 0.0089 0.0007
 Neptune -122384-07-22 04:20 J -42979130.62 -42979130.32 -42979130.02 0.0089 0.0022
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 Neptune -122380-05-11 04:20 J -42977741.54 -42977741.32 -42977741.04 0.0089 0.0053
 Neptune -122378-04-05 15:22 J -42977047.05 -42977046.86 -42977046.65 0.0089 0.0067
 Pluto -122378-10-31 10:49 J -42976838.31 -42976838.05 -42976837.74 0.0065 0.0025
 Neptune -122376-02-27 23:18 J -42976352.61 -42976352.53 -42976352.37 0.0089 0.0082
 Saturn -122374-01-27 02:54 J -42975654.67 -42975654.38 -42975654.10 0.0265 0.0020
 Jupiter -122372-05-14 02:25 J -42974816.66 -42974816.40 -42974816.15 0.0500 0.0125
 Uranus -122366-10-27 23:03 J -42972458.83 -42972458.54 -42972458.23 0.0132 0.0051
 Saturn -122358-01-04 18:01 J -42969833.04 -42969832.75 -42969832.45 0.0297 0.0059

Saturn -122344-03-14 08:39 J -42964650.32 -42964650.14 -42964649.95 0.0263 0.0198
 Jupiter -122336-02-15 13:56 J -42961754.99 -42961754.92 -42961754.82 0.0501 0.0472
 Uranus -122325-03-31 10:06 J -42957693.35 -42957693.08 -42957692.80 0.0147 0.0048
 Saturn -122316-05-05 10:06 J -42954371.30 -42954371.08 -42954370.84 0.0267 0.0158
 Neptune -122316-12-25 11:46 J -42954137.10 -42954137.01 -42954136.91 0.0089 0.0084
 Neptune -122314-11-20 05:03 J -42953442.45 -42953442.29 -42953442.07 0.0089 0.0070
 Neptune -122312-10-15 01:13 J -42952747.67 -42952747.45 -42952747.18 0.0089 0.0055
 Neptune -122310-09-09 22:34 J -42952052.82 -42952052.56 -42952052.26 0.0089 0.0040
 Neptune -122308-08-04 21:08 J -42951357.92 -42951357.62 -42951357.31 0.0089 0.0024
 Jupiter -122307-04-03 02:25 J -42951116.51 -42951116.40 -42951116.29 0.0526 0.0484
 Neptune -122306-06-30 22:06 J -42950662.90 -42950662.58 -42950662.26 0.0089 0.0008
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 Neptune -122302-04-21 02:54 J -42949272.68 -42949272.38 -42949272.07 0.0089 0.0024
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 Saturn -122300-04-06 04:06 J -42948556.51 -42948556.33 -42948556.13 0.0294 0.0227
 Neptune -122298-02-09 15:08 J -42947882.09 -42947881.87 -42947881.60 0.0089 0.0057
 Neptune -122296-01-04 23:03 J -42947186.69 -42947186.54 -42947186.32 0.0089 0.0073
 Neptune -122295-12-01 08:25 J -42946491.16 -42946491.15 -42946491.07 0.0089 0.0088
 Pluto -122290-05-11 10:34 J -42944869.33 -42944869.06 -42944868.75 0.0080 0.0038
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 Saturn -122286-06-21 23:03 J -42943366.82 -42943366.54 -42943366.26 0.0266 0.0029
 Uranus -122281-06-22 07:56 J -42941539.48 -42941539.17 -42941538.83 0.0132 0.0020
 Jupiter -122271-01-09 11:32 J -42938051.31 -42938051.02 -42938050.73 0.0525 0.0019
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 Saturn -122256-08-07 02:39 J -42932362.58 -42932362.39 -42932362.21 0.0263 0.0200
 Jupiter -122254-11-04 08:25 J -42931543.41 -42931543.15 -42931542.89 0.0500 0.0066
 Uranus -122241-11-25 02:10 J -42926773.67 -42926773.41 -42926773.12 0.0147 0.0042
 Jupiter -122236-10-17 17:18 J -42924985.81 -42924985.78 -42924985.72 0.0525 0.0518
 Neptune -122232-10-06 00:15 J -42923536.62 -42923536.49 -42923536.30 0.0088 0.0076
 Neptune -122230-08-31 22:49 J -42922841.76 -42922841.55 -42922841.29 0.0088 0.0061

Neptune -122228-07-26 19:42 J -42922146.92 -42922146.68 -42922146.38 0.0088 0.0046
 Saturn -122228-09-28 03:22 J -42922083.59 -42922083.36 -42922083.12 0.0268 0.0149
 Neptune -122226-06-21 16:20 J -42921452.11 -42921451.82 -42921451.52 0.0088 0.0030
 Neptune -122224-05-16 10:20 J -42920757.37 -42920757.07 -42920756.75 0.0089 0.0015
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 Neptune -122215-11-18 08:10 J -42917284.37 -42917284.16 -42917283.93 0.0089 0.0061
 Neptune -122213-10-12 18:30 J -42916589.88 -42916589.73 -42916589.56 0.0089 0.0075
 Saturn -122212-08-29 04:06 J -42916269.52 -42916269.33 -42916269.13 0.0294 0.0224
 Neptune -122211-09-07 02:54 J -42915895.38 -42915895.38 -42915895.38 0.0089 0.0089
 Uranus -122198-03-15 21:37 J -42911322.81 -42911322.60 -42911322.37 0.0131 0.0098
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 Saturn -122168-12-31 02:25 J -42900074.57 -42900074.40 -42900074.23 0.0264 0.0213
 Uranus -122158-08-18 22:20 J -42896556.75 -42896556.57 -42896556.35 0.0148 0.0109
 Uranus -122156-07-21 13:56 J -42895854.05 -42895853.92 -42895853.75 0.0147 0.0126
 Jupiter -122153-06-28 16:20 J -42894781.07 -42894780.82 -42894780.57 0.0526 0.0276
 Neptune -122152-08-08 21:08 J -42894374.65 -42894374.62 -42894374.52 0.0089 0.0087
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 Jupiter -122135-04-26 10:49 J -42888270.27 -42888270.05 -42888269.83 0.0500 0.0269
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 Pluto -122131-03-24 01:42 J -42886842.59 -42886842.43 -42886842.22 0.0065 0.0052
 Neptune -122131-07-15 02:10 J -42886729.51 -42886729.41 -42886729.25 0.0089 0.0081
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 Jupiter -122117-04-05 20:10 J -42881715.92 -42881715.66 -42881715.40 0.0525 0.0225
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 Neptune -122064-03-10 02:54 J -42862384.64 -42862384.38 -42862384.11 0.0088 0.0049
 Jupiter -122064-11-02 04:06 J -42862147.47 -42862147.33 -42862147.18 0.0500 0.0414
 Neptune -122062-02-02 23:32 J -42861689.81 -42861689.52 -42861689.22 0.0088 0.0034
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 Neptune -122055-09-12 20:54 J -42858910.91 -42858910.63 -42858910.32 0.0089 0.0027
 Neptune -122053-08-07 11:03 J -42858216.31 -42858216.04 -42858215.77 0.0089 0.0041
 Neptune -122051-07-02 22:06 J -42857521.78 -42857521.58 -42857521.30 0.0089 0.0056
 Saturn -122051-07-17 10:06 J -42857507.32 -42857507.08 -42857506.82 0.0269 0.0127
 Neptune -122049-05-27 09:51 J -42856827.26 -42856827.09 -42856826.88 0.0089 0.0069
 Neptune -122047-04-21 20:25 J -42856132.72 -42856132.65 -42856132.51 0.0089 0.0083
 Saturn -122035-06-17 12:58 J -42851693.19 -42851692.96 -42851692.73 0.0293 0.0192
 Uranus -122029-07-04 13:13 J -42849484.25 -42849483.95 -42849483.63 0.0131 0.0042

Saturn -122021-09-02 12:15 J -42846502.26 -42846501.99 -42846501.70 0.0266 0.0062

Jupiter -122017-10-16 02:54 J -42844997.41 -42844997.38 -42844997.33 0.0499 0.0492

Saturn -122005-08-09 08:54 J -42840682.41 -42840682.13 -42840681.83 0.0296 0.0095

122ND MILLENNIUM BCE

This is a list of transits of Mars in the 122nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-121999-09-23 02:39 J		-42838446.67	-42838446.39	-42838446.10	0.0526	0.0112	
Saturn	-121991-10-20 05:32 J		-42835497.37	-42835497.27	-42835497.16	0.0265	0.0245	
Uranus	-121989-12-07 08:39 J		-42834718.39	-42834718.14	-42834717.85	0.0148	0.0055	
Neptune	-121988-03-23 05:18 J		-42834612.28	-42834612.28	-42834612.25	0.0089	0.0089	
Neptune	-121986-02-15 20:25 J		-42833917.77	-42833917.65	-42833917.45	0.0089	0.0076	
Neptune	-121984-01-10 14:10 J		-42833223.10	-42833222.91	-42833222.66	0.0089	0.0062	
Neptune	-121983-12-06 09:08 J		-42832528.39	-42832528.12	-42832527.86	0.0089	0.0047	
Jupiter	-121981-07-20 01:13 J		-42831936.70	-42831936.45	-42831936.20	0.0499	0.0171	
Neptune	-121981-10-31 04:34 J		-42831833.58	-42831833.31	-42831833.00	0.0089	0.0033	
Neptune	-121979-09-26 02:39 J		-42831138.69	-42831138.39	-42831138.07	0.0089	0.0018	
Neptune	-121977-08-21 01:56 J		-42830443.74	-42830443.42	-42830443.10	0.0089	0.0003	
Neptune	-121975-07-17 02:10 J		-42829748.72	-42829748.41	-42829748.09	0.0089	0.0013	
Neptune	-121973-06-11 04:49 J		-42829053.60	-42829053.30	-42829052.99	0.0089	0.0028	
Neptune	-121971-05-07 07:41 J		-42828358.43	-42828358.18	-42828357.87	0.0089	0.0044	

Neptune -121969-04-01 12:44 J -42827663.18 -42827662.97 -42827662.70 0.0089 0.0059
 Neptune -121967-02-25 19:56 J -42826967.81 -42826967.67 -42826967.46 0.0089 0.0074
 Neptune -121965-01-22 04:49 J -42826272.30 -42826272.30 -42826272.24 0.0089 0.0088
 Jupiter -121963-06-30 17:46 J -42825381.97 -42825381.76 -42825381.55 0.0525 0.0365
 Saturn -121963-12-11 10:34 J -42825218.31 -42825218.06 -42825217.79 0.0269 0.0109
 Saturn -121947-11-12 06:58 J -42819403.46 -42819403.21 -42819402.95 0.0293 0.0155
 Uranus -121946-03-28 04:49 J -42819267.55 -42819267.30 -42819267.01 0.0131 0.0076
 Jupiter -121945-04-23 09:37 J -42818875.34 -42818875.10 -42818874.85 0.0500 0.0175
 Uranus -121944-02-27 22:34 J -42818564.71 -42818564.56 -42818564.37 0.0132 0.0113
 Saturn -121932-01-27 15:37 J -42814213.11 -42814212.85 -42814212.57 0.0267 0.0086
 Saturn -121916-01-04 11:32 J -42808392.29 -42808392.02 -42808391.74 0.0296 0.0134
 Uranus -121906-08-31 03:37 J -42804501.55 -42804501.35 -42804501.11 0.0148 0.0098
 Neptune -121904-01-01 03:37 J -42804012.45 -42804012.35 -42804012.21 0.0088 0.0082
 Uranus -121904-08-02 21:08 J -42803798.69 -42803798.62 -42803798.51 0.0147 0.0140
 Neptune -121903-11-27 05:03 J -42803317.46 -42803317.29 -42803317.05 0.0088 0.0068
 Neptune -121901-10-22 06:01 J -42802622.49 -42802622.25 -42802621.98 0.0088 0.0053
 Neptune -121899-09-17 04:34 J -42801927.58 -42801927.31 -42801927.01 0.0088 0.0038
 Neptune -121897-08-12 00:44 J -42801232.75 -42801232.47 -42801232.14 0.0089 0.0024
 Neptune -121895-07-07 20:25 J -42800537.96 -42800537.65 -42800537.33 0.0089 0.0008
 Neptune -121893-06-01 14:53 J -42799843.19 -42799842.88 -42799842.57 0.0089 0.0007
 Neptune -121891-04-27 06:44 J -42799148.51 -42799148.22 -42799147.90 0.0089 0.0022
 Neptune -121889-03-21 22:05 J -42798453.84 -42798453.58 -42798453.28 0.0089 0.0036
 Neptune -121887-02-14 12:01 J -42797759.24 -42797759.00 -42797758.73 0.0089 0.0050
 Neptune -121885-01-09 23:32 J -42797064.70 -42797064.52 -42797064.28 0.0089 0.0064
 Neptune -121884-12-04 09:51 J -42796370.21 -42796370.09 -42796369.90 0.0089 0.0077
 Jupiter -121880-03-10 08:39 J -42795178.23 -42795178.14 -42795178.03 0.0527 0.0491
 Saturn -121874-05-07 21:22 J -42792928.88 -42792928.61 -42792928.34 0.0269 0.0082
 Jupiter -121862-01-09 05:17 J -42788664.42 -42788664.28 -42788664.13 0.0499 0.0416
 Uranus -121862-11-21 17:46 J -42788348.08 -42788347.76 -42788347.42 0.0131 0.0005
 Saturn -121858-04-09 17:03 J -42787113.06 -42787112.79 -42787112.50 0.0293 0.0116

Jupiter -121845-12-16 02:25 J -42782113.69 -42782113.40 -42782113.11 0.0526 0.0005
 Saturn -121844-06-24 06:15 J -42781923.50 -42781923.24 -42781922.98 0.0266 0.0110
 Saturn -121828-06-02 01:56 J -42776101.65 -42776101.42 -42776101.17 0.0297 0.0185
 Jupiter -121827-10-13 10:05 J -42775603.33 -42775603.08 -42775602.82 0.0499 0.0077
 Neptune -121823-09-30 05:32 J -42774155.39 -42774155.27 -42774155.10 0.0089 0.0078
 Uranus -121821-04-26 00:58 J -42773581.75 -42773581.46 -42773581.17 0.0148 0.0007
 Neptune -121821-08-24 20:39 J -42773460.82 -42773460.64 -42773460.40 0.0089 0.0065
 Neptune -121819-07-20 14:10 J -42772766.14 -42772765.91 -42772765.63 0.0089 0.0051
 Neptune -121817-06-14 08:10 J -42772071.43 -42772071.16 -42772070.86 0.0089 0.0037
 Saturn -121816-08-14 20:10 J -42771644.74 -42771644.66 -42771644.56 0.0271 0.0256
 Neptune -121815-05-10 03:51 J -42771376.64 -42771376.34 -42771376.03 0.0089 0.0022
 Neptune -121813-04-04 01:41 J -42770681.74 -42770681.43 -42770681.11 0.0089 0.0007
 Neptune -121811-02-28 01:13 J -42769986.76 -42769986.45 -42769986.13 0.0089 0.0008
 Neptune -121809-01-24 01:41 J -42769291.72 -42769291.43 -42769291.11 0.0089 0.0023
 Jupiter -121809-09-22 21:08 J -42769048.72 -42769048.62 -42769048.50 0.0526 0.0484
 Neptune -121808-12-19 04:20 J -42768596.59 -42768596.32 -42768596.01 0.0089 0.0038
 Neptune -121806-11-14 08:25 J -42767901.40 -42767901.15 -42767900.88 0.0089 0.0052
 Neptune -121804-10-09 12:58 J -42767206.15 -42767205.96 -42767205.73 0.0089 0.0067
 Neptune -121802-09-04 20:25 J -42766510.78 -42766510.65 -42766510.52 0.0089 0.0081
 Jupiter -121791-07-17 10:05 J -42762542.29 -42762542.08 -42762541.85 0.0500 0.0258
 Saturn -121786-10-02 16:05 J -42760639.11 -42760638.83 -42760638.55 0.0268 0.0054
 Uranus -121779-08-14 13:56 J -42758131.03 -42758130.92 -42758130.76 0.0131 0.0119
 Uranus -121777-07-17 08:10 J -42757428.43 -42757428.16 -42757427.87 0.0131 0.0070
 Saturn -121770-09-05 05:32 J -42754822.56 -42754822.27 -42754821.97 0.0294 0.0068
 Saturn -121756-11-18 21:51 J -42749633.83 -42749633.59 -42749633.34 0.0266 0.0136
 Neptune -121741-08-15 00:01 J -42744250.56 -42744250.50 -42744250.37 0.0088 0.0085
 Saturn -121740-10-28 10:20 J -42743811.26 -42743811.07 -42743810.85 0.0297 0.0221
 Neptune -121739-07-11 03:22 J -42743555.52 -42743555.36 -42743555.13 0.0088 0.0071
 Neptune -121737-06-05 05:17 J -42742860.52 -42742860.28 -42742860.03 0.0088 0.0056
 Uranus -121737-12-20 19:27 J -42742661.92 -42742661.69 -42742661.44 0.0148 0.0084

Neptune -121735-05-01 05:32 J -42742165.53 -42742165.27 -42742164.97 0.0088 0.0042
 Neptune -121733-03-26 05:03 J -42741470.59 -42741470.29 -42741469.99 0.0088 0.0027
 Neptune -121731-02-19 01:27 J -42740775.74 -42740775.44 -42740775.12 0.0089 0.0013
 Neptune -121729-01-14 20:53 J -42740080.95 -42740080.63 -42740080.32 0.0089 0.0002
 Neptune -121728-12-09 14:53 J -42739386.17 -42739385.88 -42739385.56 0.0089 0.0017
 Saturn -121727-01-09 17:32 J -42739354.91 -42739354.77 -42739354.60 0.0271 0.0226
 Jupiter -121726-06-03 05:03 J -42738845.48 -42738845.29 -42738845.09 0.0526 0.0385
 Neptune -121726-11-04 06:58 J -42738691.49 -42738691.21 -42738690.90 0.0089 0.0031
 Neptune -121724-09-28 21:22 J -42737996.85 -42737996.61 -42737996.31 0.0089 0.0045
 Neptune -121722-08-24 11:32 J -42737302.23 -42737302.02 -42737301.76 0.0089 0.0058
 Neptune -121720-07-18 23:32 J -42736607.68 -42736607.52 -42736607.31 0.0089 0.0071
 Neptune -121718-06-13 09:51 J -42735913.16 -42735913.09 -42735912.95 0.0089 0.0084
 Jupiter -121708-04-03 13:27 J -42732331.13 -42732330.94 -42732330.73 0.0499 0.0322
 Saturn -121697-02-27 07:56 J -42728349.46 -42728349.17 -42728348.89 0.0268 0.0029
 Uranus -121694-04-10 03:51 J -42727211.64 -42727211.34 -42727211.03 0.0131 0.0047
 Jupiter -121690-03-11 00:44 J -42725780.75 -42725780.47 -42725780.19 0.0526 0.0109
 Saturn -121681-01-31 00:29 J -42722532.78 -42722532.48 -42722532.18 0.0294 0.0041
 Jupiter -121672-01-05 13:27 J -42719270.20 -42719269.94 -42719269.68 0.0500 0.0015
 Saturn -121667-04-15 12:44 J -42717344.19 -42717343.97 -42717343.74 0.0266 0.0161
 Neptune -121659-05-14 13:41 J -42714393.03 -42714392.93 -42714392.76 0.0089 0.0080
 Neptune -121657-04-08 03:51 J -42713698.51 -42713698.34 -42713698.11 0.0089 0.0067
 Neptune -121655-03-03 18:58 J -42713003.93 -42713003.71 -42713003.44 0.0089 0.0054
 Uranus -121654-09-13 22:49 J -42712444.81 -42712444.55 -42712444.29 0.0148 0.0063
 Neptune -121653-01-27 13:13 J -42712309.21 -42712308.95 -42712308.66 0.0089 0.0040
 Neptune -121652-12-22 08:10 J -42711614.45 -42711614.16 -42711613.85 0.0089 0.0026
 Saturn -121651-03-25 01:56 J -42711521.57 -42711521.42 -42711521.27 0.0298 0.0257
 Neptune -121650-11-17 03:51 J -42710919.64 -42710919.34 -42710919.02 0.0089 0.0012
 Neptune -121648-10-12 01:41 J -42710224.74 -42710224.43 -42710224.11 0.0089 0.0003
 Neptune -121646-09-07 01:13 J -42709529.76 -42709529.45 -42709529.13 0.0089 0.0017
 Neptune -121644-08-02 01:13 J -42708834.73 -42708834.45 -42708834.13 0.0089 0.0032

Neptune -121642-06-28 03:51 J -42708139.60 -42708139.34 -42708139.06 0.0089 0.0046
 Pluto -121640-02-13 22:34 J -42707542.58 -42707542.56 -42707542.45 0.0065 0.0064
 Neptune -121640-05-23 07:56 J -42707444.40 -42707444.17 -42707443.93 0.0089 0.0060
 Saturn -121639-06-06 04:34 J -42707065.49 -42707065.31 -42707065.11 0.0270 0.0201
 Neptune -121638-04-18 12:15 J -42706749.13 -42706748.99 -42706748.78 0.0089 0.0075
 Jupiter -121637-10-09 20:39 J -42706208.81 -42706208.64 -42706208.45 0.0500 0.0362
 Neptune -121636-03-13 19:27 J -42706053.69 -42706053.69 -42706053.63 0.0089 0.0088
 Saturn -121623-05-04 17:17 J -42701253.78 -42701253.78 -42701253.74 0.0291 0.0291
 Uranus -121610-12-04 14:25 J -42696292.21 -42696291.90 -42696291.57 0.0131 0.0026
 Saturn -121609-07-23 16:20 J -42696060.10 -42696059.82 -42696059.53 0.0268 0.0005
 Saturn -121593-06-25 20:53 J -42690243.93 -42690243.63 -42690243.32 0.0295 0.0015
 Saturn -121579-09-09 12:58 J -42685055.17 -42685054.96 -42685054.75 0.0265 0.0177
 Neptune -121577-03-28 19:13 J -42684488.73 -42684488.70 -42684488.60 0.0088 0.0087
 Neptune -121575-02-22 00:58 J -42683793.63 -42683793.46 -42683793.28 0.0088 0.0073
 Neptune -121573-01-18 04:34 J -42683098.54 -42683098.31 -42683098.06 0.0088 0.0059
 Jupiter -121572-08-26 19:27 J -42682511.94 -42682511.69 -42682511.43 0.0527 0.0246
 Neptune -121572-12-13 05:46 J -42682403.53 -42682403.26 -42682402.98 0.0088 0.0045
 Neptune -121570-11-08 05:46 J -42681708.55 -42681708.26 -42681707.95 0.0088 0.0031
 Uranus -121569-05-09 07:27 J -42681525.48 -42681525.19 -42681524.90 0.0148 0.0022
 Neptune -121568-10-03 04:34 J -42681013.61 -42681013.31 -42681012.99 0.0089 0.0017
 Neptune -121566-08-29 00:58 J -42680318.77 -42680318.46 -42680318.14 0.0089 0.0003
 Neptune -121564-07-23 19:41 J -42679623.99 -42679623.68 -42679623.37 0.0089 0.0012
 Saturn -121563-08-18 11:03 J -42679233.16 -42679233.04 -42679232.89 0.0297 0.0265
 Neptune -121562-06-18 13:27 J -42678929.22 -42678928.94 -42678928.62 0.0089 0.0026
 Neptune -121560-05-13 06:01 J -42678234.50 -42678234.25 -42678233.95 0.0089 0.0040
 Neptune -121558-04-07 20:53 J -42677539.86 -42677539.63 -42677539.36 0.0089 0.0053
 Neptune -121556-03-02 10:34 J -42676845.23 -42676845.06 -42676844.82 0.0089 0.0066
 Neptune -121554-01-25 23:17 J -42676150.66 -42676150.53 -42676150.37 0.0089 0.0078
 Jupiter -121554-06-28 05:32 J -42675997.50 -42675997.27 -42675997.03 0.0500 0.0209
 Pluto -121553-08-22 22:05 J -42675575.71 -42675575.58 -42675575.38 0.0080 0.0069

Saturn -121551-10-31 04:34 J -42674776.51 -42674776.31 -42674776.08 0.0270 0.0179
 Jupiter -121536-06-03 22:20 J -42669446.82 -42669446.57 -42669446.32 0.0525 0.0266
 Saturn -121535-09-27 21:08 J -42668965.70 -42668965.62 -42668965.50 0.0292 0.0275
 Uranus -121527-08-27 07:13 J -42666075.41 -42666075.20 -42666074.94 0.0131 0.0092
 Uranus -121525-07-30 00:15 J -42665372.68 -42665372.49 -42665372.24 0.0131 0.0098
 Saturn -121521-12-17 08:53 J -42663771.41 -42663771.13 -42663770.84 0.0267 0.0011
 Jupiter -121518-04-01 17:03 J -42662936.04 -42662935.79 -42662935.54 0.0500 0.0147
 Saturn -121505-11-18 14:53 J -42657956.18 -42657955.88 -42657955.57 0.0294 0.0015
 Neptune -121496-12-27 00:15 J -42654630.59 -42654630.49 -42654630.35 0.0089 0.0081
 Neptune -121494-11-21 13:27 J -42653936.11 -42653935.94 -42653935.72 0.0089 0.0069
 Neptune -121492-10-16 04:05 J -42653241.55 -42653241.33 -42653241.07 0.0089 0.0056
 Saturn -121490-02-03 04:05 J -42652766.51 -42652766.33 -42652766.13 0.0265 0.0195
 Neptune -121490-09-10 18:58 J -42652546.96 -42652546.71 -42652546.42 0.0089 0.0043
 Neptune -121488-08-05 12:15 J -42651852.26 -42651851.99 -42651851.68 0.0089 0.0030
 Uranus -121486-01-30 19:56 J -42651308.77 -42651308.67 -42651308.55 0.0148 0.0137
 Neptune -121486-07-01 07:13 J -42651157.50 -42651157.20 -42651156.89 0.0089 0.0016
 Uranus -121484-01-02 14:10 J -42650606.11 -42650605.91 -42650605.70 0.0148 0.0106
 Neptune -121484-05-26 02:53 J -42650462.70 -42650462.38 -42650462.07 0.0089 0.0002
 Neptune -121482-04-21 00:15 J -42649767.80 -42649767.49 -42649767.17 0.0089 0.0012
 Neptune -121480-03-15 23:46 J -42649072.79 -42649072.51 -42649072.19 0.0089 0.0027
 Neptune -121478-02-09 01:13 J -42648377.72 -42648377.45 -42648377.15 0.0089 0.0041
 Neptune -121476-01-04 03:22 J -42647682.58 -42647682.36 -42647682.08 0.0089 0.0055
 Neptune -121475-11-30 08:10 J -42646987.35 -42646987.16 -42646986.94 0.0089 0.0068
 Saturn -121474-01-10 23:17 J -42646945.63 -42646945.53 -42646945.40 0.0298 0.0274
 Neptune -121473-10-25 12:44 J -42646292.06 -42646291.97 -42646291.81 0.0089 0.0082
 Saturn -121462-03-26 11:17 J -42642488.25 -42642488.03 -42642487.80 0.0270 0.0169
 Saturn -121446-02-20 04:20 J -42636678.41 -42636678.32 -42636678.22 0.0291 0.0276
 Uranus -121442-04-22 19:27 J -42635156.01 -42635155.69 -42635155.35 0.0131 0.0020
 Jupiter -121436-12-18 07:56 J -42632724.30 -42632724.17 -42632724.02 0.0500 0.0419
 Saturn -121432-05-12 14:25 J -42631483.18 -42631482.90 -42631482.61 0.0268 0.0026

Jupiter -121418-11-21 21:37 J -42626176.89 -42626176.60 -42626176.31 0.0525 0.0043
 Saturn -121416-04-12 16:34 J -42625669.11 -42625668.81 -42625668.51 0.0294 0.0011
 Neptune -121414-11-10 13:41 J -42624726.95 -42624726.93 -42624726.89 0.0088 0.0088
 Neptune -121412-10-05 19:27 J -42624031.84 -42624031.69 -42624031.50 0.0088 0.0075
 Neptune -121410-08-31 23:32 J -42623336.72 -42623336.52 -42623336.26 0.0088 0.0062
 Neptune -121408-07-27 03:22 J -42622641.62 -42622641.36 -42622641.08 0.0088 0.0048
 Neptune -121406-06-22 05:03 J -42621946.58 -42621946.29 -42621945.99 0.0088 0.0034
 Neptune -121404-05-17 04:34 J -42621251.60 -42621251.31 -42621250.98 0.0089 0.0021
 Neptune -121402-04-12 04:05 J -42620556.64 -42620556.33 -42620556.01 0.0089 0.0007
 Saturn -121402-06-29 03:37 J -42620478.52 -42620478.35 -42620478.15 0.0265 0.0200
 Uranus -121402-09-26 01:56 J -42620389.68 -42620389.42 -42620389.13 0.0148 0.0054
 Neptune -121400-03-07 01:13 J -42619861.76 -42619861.45 -42619861.13 0.0089 0.0008
 Jupiter -121400-09-21 23:32 J -42619662.78 -42619662.52 -42619662.26 0.0500 0.0056
 Neptune -121398-01-30 19:56 J -42619166.97 -42619166.67 -42619166.36 0.0089 0.0021
 Neptune -121397-12-25 13:13 J -42618472.21 -42618471.95 -42618471.63 0.0089 0.0035
 Neptune -121395-11-20 06:01 J -42617777.49 -42617777.25 -42617776.96 0.0089 0.0048
 Pluto -121394-07-08 08:39 J -42617547.44 -42617547.14 -42617546.83 0.0065 0.0005
 Neptune -121393-10-14 20:39 J -42617082.86 -42617082.64 -42617082.41 0.0089 0.0060
 Neptune -121391-09-09 09:37 J -42616388.24 -42616388.10 -42616387.89 0.0089 0.0073
 Neptune -121389-08-03 21:51 J -42615693.64 -42615693.59 -42615693.46 0.0089 0.0085
 Saturn -121386-06-04 17:46 J -42614658.89 -42614658.76 -42614658.60 0.0297 0.0262
 Jupiter -121382-08-30 07:41 J -42613111.27 -42613111.18 -42613111.06 0.0525 0.0487
 Saturn -121374-08-19 06:58 J -42610200.44 -42610200.21 -42610199.97 0.0271 0.0158
 Jupiter -121364-06-26 05:03 J -42606601.49 -42606601.29 -42606601.07 0.0500 0.0297
 Saturn -121358-07-15 03:37 J -42604391.43 -42604391.35 -42604391.24 0.0291 0.0274
 Uranus -121358-12-17 06:44 J -42604236.50 -42604236.22 -42604235.90 0.0131 0.0053
 Saturn -121344-10-05 07:13 J -42599195.49 -42599195.20 -42599194.92 0.0268 0.0027
 Neptune -121332-08-10 13:41 J -42594868.03 -42594867.93 -42594867.80 0.0089 0.0082
 Neptune -121330-07-06 00:44 J -42594173.64 -42594173.47 -42594173.27 0.0089 0.0070
 Neptune -121328-05-30 13:27 J -42593479.15 -42593478.94 -42593478.69 0.0089 0.0058

Saturn -121328-09-04 10:49 J -42593382.35 -42593382.05 -42593381.75 0.0294 0.0019
 Neptune -121326-04-25 04:20 J -42592784.58 -42592784.32 -42592784.05 0.0089 0.0045
 Neptune -121324-03-19 19:41 J -42592089.97 -42592089.68 -42592089.39 0.0089 0.0032
 Neptune -121322-02-12 12:58 J -42591395.26 -42591394.96 -42591394.65 0.0089 0.0019
 Neptune -121320-01-07 08:25 J -42590700.45 -42590700.15 -42590699.83 0.0089 0.0006
 Neptune -121319-12-03 04:20 J -42590005.63 -42590005.32 -42590005.00 0.0089 0.0008
 Uranus -121317-05-21 19:27 J -42589469.96 -42589469.69 -42589469.40 0.0148 0.0037
 Neptune -121317-10-28 01:27 J -42589310.73 -42589310.44 -42589310.12 0.0089 0.0022
 Neptune -121315-09-23 00:44 J -42588615.74 -42588615.47 -42588615.16 0.0089 0.0036
 Saturn -121314-11-21 22:34 J -42588190.71 -42588190.56 -42588190.37 0.0266 0.0211
 Neptune -121313-08-18 01:56 J -42587920.67 -42587920.42 -42587920.14 0.0089 0.0049
 Neptune -121311-07-14 03:22 J -42587225.55 -42587225.36 -42587225.10 0.0089 0.0063
 Neptune -121309-06-08 07:41 J -42586530.31 -42586530.18 -42586529.98 0.0089 0.0076
 Neptune -121307-05-04 13:13 J -42585834.95 -42585834.95 -42585834.89 0.0089 0.0088
 Pluto -121306-01-14 14:53 J -42585580.11 -42585579.88 -42585579.59 0.0080 0.0048
 Jupiter -121299-05-11 02:10 J -42582906.62 -42582906.41 -42582906.18 0.0526 0.0349
 Saturn -121298-10-27 13:13 J -42582372.08 -42582371.95 -42582371.80 0.0297 0.0261
 Saturn -121285-01-11 20:10 J -42577912.88 -42577912.66 -42577912.42 0.0271 0.0159
 Jupiter -121281-03-14 07:27 J -42576389.41 -42576389.19 -42576388.97 0.0500 0.0261
 Uranus -121275-09-09 03:51 J -42574019.62 -42574019.34 -42574019.05 0.0131 0.0064
 Uranus -121273-08-11 21:08 J -42573316.67 -42573316.62 -42573316.51 0.0131 0.0128
 Saturn -121270-12-07 05:46 J -42572104.34 -42572104.26 -42572104.15 0.0290 0.0275
 Jupiter -121263-02-16 12:58 J -42569841.23 -42569840.96 -42569840.69 0.0526 0.0184
 Saturn -121255-02-27 23:46 J -42566907.79 -42566907.51 -42566907.22 0.0269 0.0036
 Neptune -121248-05-19 13:41 J -42564270.06 -42564269.93 -42564269.74 0.0088 0.0077
 Neptune -121246-04-14 19:41 J -42563574.88 -42563574.68 -42563574.43 0.0088 0.0064
 Jupiter -121246-12-17 09:37 J -42563328.36 -42563328.10 -42563327.84 0.0500 0.0085
 Neptune -121244-03-10 00:01 J -42562879.74 -42562879.50 -42562879.21 0.0089 0.0051
 Neptune -121242-02-03 03:51 J -42562184.62 -42562184.34 -42562184.04 0.0089 0.0037
 Neptune -121241-12-29 05:17 J -42561489.57 -42561489.28 -42561488.96 0.0089 0.0024

Saturn -121239-01-27 16:20 J -42561095.12 -42561094.82 -42561094.52 0.0293 0.0016
 Neptune -121239-11-24 05:03 J -42560794.60 -42560794.29 -42560793.97 0.0089 0.0010
 Neptune -121237-10-19 03:51 J -42560099.66 -42560099.34 -42560099.03 0.0089 0.0004
 Neptune -121235-09-14 00:44 J -42559404.78 -42559404.47 -42559404.16 0.0089 0.0017
 Uranus -121234-02-12 18:29 J -42559252.90 -42559252.73 -42559252.54 0.0148 0.0116
 Neptune -121233-08-08 19:13 J -42558709.99 -42558709.70 -42558709.40 0.0089 0.0030
 Uranus -121232-01-15 12:15 J -42558550.12 -42558549.99 -42558549.84 0.0148 0.0128
 Neptune -121231-07-04 12:29 J -42558015.24 -42558014.98 -42558014.69 0.0089 0.0043
 Neptune -121229-05-29 05:17 J -42557320.49 -42557320.28 -42557320.01 0.0089 0.0056
 Neptune -121227-04-23 20:25 J -42556625.82 -42556625.65 -42556625.43 0.0089 0.0068
 Neptune -121225-03-18 10:34 J -42555931.20 -42555931.06 -42555930.93 0.0089 0.0079
 Saturn -121225-04-15 17:17 J -42555902.94 -42555902.78 -42555902.60 0.0266 0.0212
 Jupiter -121210-09-21 01:13 J -42550266.55 -42550266.45 -42550266.34 0.0500 0.0454
 Saturn -121209-03-20 19:13 J -42550084.83 -42550084.70 -42550084.54 0.0296 0.0259
 Saturn -121197-06-05 13:56 J -42545625.16 -42545624.92 -42545624.68 0.0272 0.0150
 Uranus -121190-05-05 17:32 J -42543100.09 -42543099.77 -42543099.43 0.0131 0.0010
 Saturn -121181-05-01 00:58 J -42539816.57 -42539816.46 -42539816.33 0.0289 0.0265
 Neptune -121168-03-25 04:20 J -42535105.43 -42535105.32 -42535105.21 0.0089 0.0082
 Saturn -121167-07-23 21:22 J -42534619.89 -42534619.61 -42534619.32 0.0269 0.0040
 Neptune -121166-02-17 14:25 J -42534411.06 -42534410.90 -42534410.70 0.0089 0.0071
 Neptune -121164-01-12 01:56 J -42533716.64 -42533716.42 -42533716.18 0.0089 0.0059
 Jupiter -121163-09-04 10:05 J -42533116.15 -42533116.08 -42533116.01 0.0499 0.0480
 Neptune -121163-12-07 14:53 J -42533022.12 -42533021.88 -42533021.60 0.0089 0.0047
 Neptune -121161-11-01 05:46 J -42532327.52 -42532327.26 -42532326.95 0.0089 0.0035
 Neptune -121159-09-26 21:37 J -42531632.89 -42531632.60 -42531632.28 0.0089 0.0022
 Neptune -121157-08-21 14:39 J -42530938.19 -42530937.89 -42530937.57 0.0089 0.0009
 Neptune -121155-07-17 10:05 J -42530243.39 -42530243.08 -42530242.77 0.0089 0.0004
 Neptune -121153-06-11 06:01 J -42529548.55 -42529548.25 -42529547.93 0.0089 0.0018
 Neptune -121151-05-07 03:22 J -42528853.65 -42528853.36 -42528853.06 0.0089 0.0031
 Saturn -121151-06-22 13:41 J -42528807.23 -42528806.93 -42528806.62 0.0293 0.0007

Uranus -121150-10-09 17:03 J -42528333.07 -42528332.79 -42528332.50 0.0148 0.0021
 Neptune -121149-04-01 03:08 J -42528158.64 -42528158.37 -42528158.09 0.0089 0.0044
 Pluto -121148-11-28 14:25 J -42527552.10 -42527551.90 -42527551.65 0.0065 0.0044
 Neptune -121147-02-25 04:20 J -42527463.53 -42527463.32 -42527463.05 0.0089 0.0058
 Neptune -121145-01-21 07:13 J -42526768.38 -42526768.20 -42526767.99 0.0089 0.0070
 Jupiter -121145-08-05 06:01 J -42526571.52 -42526571.25 -42526570.97 0.0526 0.0149
 Neptune -121144-12-16 10:49 J -42526073.13 -42526073.05 -42526072.89 0.0089 0.0083
 Saturn -121137-09-08 20:25 J -42523614.78 -42523614.65 -42523614.49 0.0267 0.0227
 Jupiter -121127-06-08 08:25 J -42520055.39 -42520055.15 -42520054.89 0.0500 0.0143
 Saturn -121121-08-14 01:41 J -42517796.53 -42517796.43 -42517796.31 0.0296 0.0276
 Jupiter -121109-05-13 06:15 J -42513506.45 -42513506.24 -42513506.03 0.0525 0.0362
 Saturn -121109-10-29 20:10 J -42513336.90 -42513336.66 -42513336.41 0.0272 0.0142
 Uranus -121107-01-26 12:29 J -42512883.15 -42512882.98 -42512882.79 0.0131 0.0108
 Uranus -121106-12-30 05:03 J -42512180.53 -42512180.29 -42512180.02 0.0131 0.0084
 Saturn -121093-09-24 17:32 J -42507527.92 -42507527.77 -42507527.60 0.0289 0.0244
 Jupiter -121091-03-12 18:15 J -42506993.97 -42506993.74 -42506993.50 0.0500 0.0221
 Neptune -121085-12-31 07:27 J -42504508.32 -42504508.19 -42504508.01 0.0088 0.0078
 Neptune -121083-11-26 15:51 J -42503813.04 -42503812.84 -42503812.61 0.0088 0.0065
 Neptune -121081-10-21 22:20 J -42503117.83 -42503117.57 -42503117.31 0.0088 0.0052
 Neptune -121079-09-17 01:41 J -42502422.69 -42502422.43 -42502422.11 0.0089 0.0040
 Saturn -121079-12-17 09:51 J -42502331.36 -42502331.09 -42502330.80 0.0270 0.0057
 Neptune -121077-08-12 05:17 J -42501727.59 -42501727.28 -42501726.97 0.0089 0.0026
 Neptune -121075-07-08 06:58 J -42501032.52 -42501032.21 -42501031.89 0.0089 0.0013
 Neptune -121073-06-02 06:15 J -42500337.55 -42500337.24 -42500336.92 0.0089 0.0002
 Neptune -121071-04-28 04:49 J -42499642.60 -42499642.30 -42499641.98 0.0089 0.0014
 Neptune -121069-03-23 02:10 J -42498947.70 -42498947.41 -42498947.10 0.0089 0.0027
 Neptune -121067-02-15 21:08 J -42498252.89 -42498252.62 -42498252.33 0.0089 0.0039
 Neptune -121065-01-11 14:10 J -42497558.15 -42497557.91 -42497557.64 0.0089 0.0051
 Uranus -121065-06-04 06:29 J -42497413.47 -42497413.23 -42497412.96 0.0148 0.0070
 Neptune -121064-12-06 06:44 J -42496863.43 -42496863.22 -42496862.99 0.0089 0.0063

Saturn -121063-11-16 15:37 J -42496518.15 -42496517.85 -42496517.55 0.0292 0.0019

Neptune -121062-10-31 21:08 J -42496168.76 -42496168.62 -42496168.43 0.0089 0.0075

Neptune -121060-09-25 09:51 J -42495474.14 -42495474.09 -42495473.98 0.0089 0.0086

Saturn -121048-02-02 15:37 J -42491325.96 -42491325.85 -42491325.72 0.0267 0.0240

Jupiter -121026-01-21 23:03 J -42483302.54 -42483302.54 -42483302.53 0.0526 0.0526

Uranus -121023-09-21 20:25 J -42481963.96 -42481963.65 -42481963.33 0.0131 0.0036

Saturn -121020-03-25 19:13 J -42481047.95 -42481047.70 -42481047.43 0.0272 0.0122

Jupiter -121009-11-27 21:22 J -42476782.78 -42476782.61 -42476782.45 0.0499 0.0386

Neptune -121005-11-06 22:05 J -42475342.67 -42475342.58 -42475342.45 0.0089 0.0082

Saturn -121004-02-19 11:46 J -42475238.21 -42475238.01 -42475237.81 0.0289 0.0214

Neptune -121003-10-02 07:27 J -42474648.36 -42474648.19 -42474648.00 0.0089 0.0071

Neptune -121001-08-26 18:15 J -42473953.94 -42473953.74 -42473953.49 0.0089 0.0060

121ST MILLENNIUM BCE

This is a list of transits of Mars in the 121st millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-120999-07-22	06:01	J	-42473259.51	-42473259.25	-42473258.99	0.0089	0.0048
Neptune	-120997-06-15	18:29	J	-42472565.01	-42472564.73	-42472564.44	0.0089	0.0036
Neptune	-120995-05-11	08:53	J	-42471870.41	-42471870.13	-42471869.82	0.0089	0.0024
Neptune	-120993-04-05	00:58	J	-42471175.75	-42471175.46	-42471175.14	0.0089	0.0012
Neptune	-120991-02-28	18:15	J	-42470481.05	-42470480.74	-42470480.43	0.0089	0.0002

Jupiter -120991-10-29 22:34 J -42470237.85 -42470237.56 -42470237.27 0.0526 0.0011
 Saturn -120990-05-13 15:08 J -42470042.13 -42470041.87 -42470041.59 0.0269 0.0077
 Neptune -120989-01-24 13:41 J -42469786.23 -42469785.93 -42469785.61 0.0089 0.0015
 Neptune -120988-12-19 10:34 J -42469091.36 -42469091.06 -42469090.76 0.0089 0.0027
 Neptune -120986-11-14 07:41 J -42468396.45 -42468396.18 -42468395.89 0.0089 0.0040
 Neptune -120984-10-09 06:44 J -42467701.45 -42467701.22 -42467700.94 0.0089 0.0053
 Uranus -120982-02-25 21:22 J -42467196.83 -42467196.61 -42467196.37 0.0148 0.0090
 Neptune -120982-09-04 08:39 J -42467006.35 -42467006.14 -42467005.92 0.0089 0.0065
 Neptune -120980-07-30 10:20 J -42466311.19 -42466311.07 -42466310.88 0.0089 0.0078
 Saturn -120974-04-13 16:05 J -42464228.12 -42464227.83 -42464227.53 0.0293 0.0060
 Jupiter -120973-09-01 02:39 J -42463721.65 -42463721.39 -42463721.13 0.0499 0.0032
 Saturn -120960-06-29 23:46 J -42459036.52 -42459036.51 -42459036.46 0.0267 0.0266
 Jupiter -120955-08-06 22:49 J -42457172.61 -42457172.55 -42457172.46 0.0526 0.0507
 Uranus -120938-05-18 03:37 J -42451044.66 -42451044.35 -42451044.03 0.0131 0.0035
 Jupiter -120937-06-05 00:01 J -42450660.69 -42450660.50 -42450660.29 0.0500 0.0314
 Saturn -120932-08-20 09:51 J -42448758.36 -42448758.09 -42448757.82 0.0272 0.0095
 Neptune -120921-08-14 02:10 J -42444746.52 -42444746.41 -42444746.22 0.0088 0.0079
 Neptune -120919-07-10 11:32 J -42444051.24 -42444051.02 -42444050.81 0.0088 0.0066
 Neptune -120917-06-04 18:29 J -42443355.96 -42443355.73 -42443355.45 0.0088 0.0054
 Saturn -120916-07-17 20:25 J -42442947.88 -42442947.65 -42442947.40 0.0290 0.0170
 Neptune -120915-05-01 00:58 J -42442660.74 -42442660.46 -42442660.17 0.0088 0.0041
 Neptune -120913-03-26 05:32 J -42441965.58 -42441965.27 -42441964.97 0.0089 0.0028
 Neptune -120911-02-19 07:56 J -42441270.47 -42441270.17 -42441269.84 0.0089 0.0016
 Neptune -120909-01-15 09:51 J -42440575.40 -42440575.09 -42440574.77 0.0089 0.0003
 Neptune -120908-12-10 09:22 J -42439880.42 -42439880.11 -42439879.79 0.0089 0.0011
 Neptune -120906-11-05 07:27 J -42439185.49 -42439185.19 -42439184.88 0.0089 0.0023
 Neptune -120904-09-30 04:05 J -42438490.59 -42438490.33 -42438490.01 0.0089 0.0036
 Neptune -120902-08-25 23:03 J -42437795.77 -42437795.54 -42437795.25 0.0089 0.0048
 Saturn -120902-10-08 07:13 J -42437752.46 -42437752.20 -42437751.93 0.0269 0.0104
 Neptune -120900-07-20 16:20 J -42437101.03 -42437100.82 -42437100.57 0.0089 0.0059

Neptune -120898-06-15 08:53 J -42436406.30 -42436406.13 -42436405.93 0.0089 0.0070
 Uranus -120898-10-21 22:34 J -42436277.85 -42436277.56 -42436277.26 0.0148 0.0007
 Neptune -120896-05-10 00:29 J -42435711.58 -42435711.48 -42435711.34 0.0089 0.0081
 Saturn -120886-09-09 05:17 J -42431937.56 -42431937.28 -42431936.99 0.0293 0.0099
 Saturn -120874-11-27 21:22 J -42427474.61 -42427474.61 -42427474.59 0.0274 0.0274
 Jupiter -120872-04-15 21:51 J -42426969.77 -42426969.59 -42426969.41 0.0526 0.0414
 Uranus -120855-02-07 18:01 J -42420827.99 -42420827.75 -42420827.50 0.0131 0.0086
 Jupiter -120854-02-21 05:32 J -42420449.48 -42420449.27 -42420449.06 0.0499 0.0291
 Uranus -120853-01-11 09:51 J -42420125.27 -42420125.09 -42420124.89 0.0131 0.0107
 Saturn -120843-01-15 07:13 J -42416468.47 -42416468.20 -42416467.91 0.0271 0.0067
 Neptune -120841-06-21 17:32 J -42415579.86 -42415579.77 -42415579.62 0.0089 0.0082
 Neptune -120839-05-17 02:10 J -42414885.58 -42414885.41 -42414885.22 0.0089 0.0071
 Neptune -120837-04-10 11:03 J -42414191.25 -42414191.04 -42414190.80 0.0089 0.0060
 Jupiter -120836-01-21 18:44 J -42413905.01 -42413904.72 -42413904.44 0.0526 0.0102
 Neptune -120835-03-05 22:05 J -42413496.82 -42413496.58 -42413496.31 0.0089 0.0049
 Neptune -120833-01-29 10:05 J -42412802.34 -42412802.08 -42412801.78 0.0089 0.0038
 Neptune -120832-12-23 23:32 J -42412107.80 -42412107.52 -42412107.21 0.0089 0.0026
 Neptune -120830-11-18 14:53 J -42411413.19 -42411412.88 -42411412.57 0.0089 0.0013
 Neptune -120828-10-13 07:27 J -42410718.50 -42410718.19 -42410717.88 0.0089 0.0001
 Saturn -120828-12-13 05:32 J -42410657.53 -42410657.27 -42410657.00 0.0290 0.0135
 Neptune -120826-09-08 00:29 J -42410023.78 -42410023.48 -42410023.16 0.0089 0.0012
 Neptune -120824-08-02 19:27 J -42409328.98 -42409328.69 -42409328.38 0.0089 0.0024
 Neptune -120822-06-28 16:34 J -42408634.10 -42408633.81 -42408633.52 0.0089 0.0036
 Neptune -120820-05-23 13:41 J -42407939.17 -42407938.93 -42407938.64 0.0089 0.0049
 Jupiter -120819-11-25 01:56 J -42407388.68 -42407388.42 -42407388.16 0.0500 0.0055
 Neptune -120818-04-18 12:58 J -42407244.17 -42407243.96 -42407243.70 0.0089 0.0061
 Neptune -120816-03-13 14:39 J -42406549.04 -42406548.89 -42406548.68 0.0089 0.0073
 Neptune -120814-02-06 17:46 J -42405853.82 -42405853.76 -42405853.62 0.0088 0.0085
 Saturn -120813-03-04 05:17 J -42405462.52 -42405462.28 -42405462.03 0.0269 0.0133
 Uranus -120813-06-16 06:29 J -42405358.47 -42405358.23 -42405357.98 0.0148 0.0078

Saturn -120797-02-04 14:53 J -42399647.14 -42399646.88 -42399646.61 0.0294 0.0145
 Saturn -120785-04-23 19:41 J -42395184.81 -42395184.68 -42395184.55 0.0274 0.0244
 Jupiter -120783-08-29 04:20 J -42394327.47 -42394327.32 -42394327.17 0.0499 0.0408
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 Neptune -120757-03-27 22:05 J -42384984.71 -42384984.58 -42384984.41 0.0088 0.0079
 Neptune -120755-02-21 08:53 J -42384289.32 -42384289.13 -42384288.89 0.0088 0.0067
 Saturn -120755-06-12 02:53 J -42384178.66 -42384178.38 -42384178.09 0.0271 0.0035
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 Neptune -120734-01-27 20:53 J -42376643.80 -42376643.63 -42376643.39 0.0089 0.0067
 Neptune -120733-12-22 12:58 J -42375949.09 -42375948.96 -42375948.79 0.0089 0.0077
 Neptune -120731-11-17 04:20 J -42375254.36 -42375254.32 -42375254.25 0.0089 0.0087
 Uranus -120730-03-09 23:32 J -42375141.76 -42375141.52 -42375141.27 0.0148 0.0080
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 Saturn -120548-05-19 05:32 J -42308595.47 -42308595.27 -42308595.06 0.0268 0.0188
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 Jupiter -120445-03-22 05:17 J -42271032.44 -42271032.28 -42271032.13 0.0526 0.0443
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 Saturn -120432-12-01 02:39 J -42266030.60 -42266030.39 -42266030.16 0.0274 0.0179
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 Jupiter -120427-01-31 04:05 J -42264508.55 -42264508.33 -42264508.11 0.0499 0.0266
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Saturn -120401-01-18 19:13 J -42255024.98 -42255024.70 -42255024.41 0.0272 0.0023

Uranus -120394-11-15 23:17 J -42252166.81 -42252166.53 -42252166.24 0.0148 0.0028

Jupiter -120392-11-04 06:01 J -42251447.50 -42251447.25 -42251446.99 0.0500 0.0094

Saturn -120386-12-13 12:58 J -42249217.25 -42249216.96 -42249216.67 0.0290 0.0077

Saturn -120371-03-06 22:34 J -42244019.75 -42244019.56 -42244019.38 0.0269 0.0203

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 Neptune -120240-09-28 05:32 J -42195966.39 -42195966.27 -42195966.08 0.0089 0.0077
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Jupiter -120237-01-29 23:17 J -42195112.75 -42195112.53 -42195112.30 0.0500 0.0250
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 Uranus -120184-07-19 19:13 J -42175582.88 -42175582.70 -42175582.51 0.0131 0.0108
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 Uranus -120182-06-22 12:01 J -42174880.22 -42174880.00 -42174879.74 0.0131 0.0089
 Neptune -120181-08-30 19:27 J -42174444.93 -42174444.69 -42174444.42 0.0089 0.0048
 Neptune -120179-07-26 03:08 J -42173750.64 -42173750.37 -42173750.09 0.0089 0.0038
 Saturn -120179-11-21 15:37 J -42173632.05 -42173631.85 -42173631.62 0.0292 0.0201
 Neptune -120177-06-19 12:29 J -42173056.26 -42173055.98 -42173055.68 0.0089 0.0028
 Neptune -120175-05-14 23:17 J -42172361.82 -42172361.53 -42172361.22 0.0089 0.0017
 Neptune -120173-04-08 10:05 J -42171667.37 -42171667.08 -42171666.76 0.0089 0.0007
 Neptune -120171-03-03 23:32 J -42170972.82 -42170972.52 -42170972.21 0.0089 0.0004
 Neptune -120169-01-27 14:25 J -42170278.20 -42170277.90 -42170277.59 0.0089 0.0015
 Neptune -120168-12-22 05:46 J -42169583.55 -42169583.26 -42169582.96 0.0089 0.0026
 Saturn -120166-02-11 13:56 J -42169167.14 -42169166.92 -42169166.67 0.0276 0.0161
 Neptune -120166-11-16 22:34 J -42168888.84 -42168888.56 -42168888.27 0.0089 0.0037
 Neptune -120164-10-11 17:03 J -42168194.03 -42168193.79 -42168193.50 0.0089 0.0048
 Neptune -120162-09-06 12:44 J -42167499.18 -42167498.97 -42167498.70 0.0089 0.0059
 Neptune -120160-08-01 09:51 J -42166804.26 -42166804.09 -42166803.86 0.0089 0.0069
 Neptune -120158-06-27 09:08 J -42166109.23 -42166109.12 -42166108.93 0.0089 0.0079
 Neptune -120156-05-22 10:05 J -42165414.10 -42165414.08 -42165414.03 0.0089 0.0088
 Jupiter -120155-10-17 10:20 J -42164901.23 -42164901.07 -42164900.89 0.0499 0.0372
 Saturn -120150-01-04 07:13 J -42163361.23 -42163361.20 -42163361.16 0.0285 0.0282
 Uranus -120142-11-27 15:37 J -42160112.14 -42160111.85 -42160111.57 0.0148 0.0031

Jupiter -120137-09-11 06:58 J -42158362.50 -42158362.21 -42158361.92 0.0526 0.0043
 Saturn -120136-03-31 19:41 J -42158160.96 -42158160.68 -42158160.39 0.0273 0.0042
 Saturn -120120-02-24 06:58 J -42152352.50 -42152352.21 -42152351.91 0.0289 0.0036
 Jupiter -120119-07-21 17:17 J -42151840.04 -42151839.78 -42151839.52 0.0499 0.0004
 Saturn -120106-05-19 13:41 J -42147155.05 -42147154.93 -42147154.78 0.0270 0.0237
 Neptune -120105-10-23 04:20 J -42146632.37 -42146632.32 -42146632.19 0.0088 0.0086
 Neptune -120103-09-18 19:56 J -42145936.80 -42145936.67 -42145936.45 0.0088 0.0076
 Jupiter -120101-06-19 13:41 J -42145297.00 -42145296.93 -42145296.85 0.0526 0.0507
 Neptune -120101-08-14 10:34 J -42145241.26 -42145241.06 -42145240.81 0.0088 0.0065
 Uranus -120099-03-14 21:08 J -42144663.93 -42144663.62 -42144663.30 0.0131 0.0038
 Neptune -120099-07-11 00:15 J -42144545.74 -42144545.49 -42144545.22 0.0088 0.0054
 Neptune -120097-06-05 12:29 J -42143850.27 -42143849.98 -42143849.69 0.0088 0.0043
 Neptune -120095-05-01 22:34 J -42143154.86 -42143154.56 -42143154.25 0.0088 0.0032
 Neptune -120093-03-27 07:41 J -42142459.50 -42142459.18 -42142458.87 0.0088 0.0021
 Neptune -120091-02-20 15:51 J -42141764.15 -42141763.84 -42141763.51 0.0089 0.0010
 Saturn -120090-04-18 03:22 J -42141342.54 -42141342.36 -42141342.16 0.0292 0.0226
 Neptune -120089-01-16 22:20 J -42141068.89 -42141068.57 -42141068.25 0.0089 0.0002
 Neptune -120088-12-12 02:53 J -42140373.69 -42140373.38 -42140373.05 0.0089 0.0013
 Neptune -120086-11-07 06:29 J -42139678.52 -42139678.23 -42139677.91 0.0089 0.0024
 Neptune -120084-10-02 07:56 J -42138983.44 -42138983.17 -42138982.85 0.0089 0.0035
 Jupiter -120083-04-24 14:25 J -42138779.07 -42138778.90 -42138778.71 0.0500 0.0361
 Neptune -120082-08-28 07:41 J -42138288.43 -42138288.18 -42138287.88 0.0089 0.0045
 Neptune -120080-07-23 06:15 J -42137593.46 -42137593.24 -42137592.96 0.0089 0.0055
 Neptune -120078-06-18 03:51 J -42136898.52 -42136898.34 -42136898.09 0.0089 0.0065
 Saturn -120078-07-08 11:03 J -42136878.28 -42136878.04 -42136877.78 0.0276 0.0145
 Neptune -120076-05-12 23:32 J -42136203.66 -42136203.52 -42136203.31 0.0089 0.0074
 Neptune -120074-04-07 18:15 J -42135508.81 -42135508.74 -42135508.59 0.0089 0.0083
 Saturn -120062-05-31 22:34 J -42131071.68 -42131071.56 -42131071.40 0.0286 0.0251
 Uranus -120059-08-20 10:34 J -42129895.18 -42129895.06 -42129894.90 0.0148 0.0129
 Uranus -120057-07-23 02:53 J -42129192.52 -42129192.38 -42129192.20 0.0147 0.0123

Saturn -120048-08-25 22:20 J -42125871.85 -42125871.57 -42125871.29 0.0273 0.0063
 Saturn -120032-07-22 06:29 J -42120062.53 -42120062.23 -42120061.93 0.0289 0.0006
 Neptune -120025-09-07 02:25 J -42117458.48 -42117458.40 -42117458.27 0.0089 0.0083
 Neptune -120023-08-02 06:29 J -42116764.35 -42116764.23 -42116764.03 0.0089 0.0075
 Neptune -120021-06-26 11:17 J -42116070.21 -42116070.03 -42116069.80 0.0089 0.0066
 Neptune -120019-05-21 15:51 J -42115376.04 -42115375.84 -42115375.58 0.0089 0.0057
 Jupiter -120018-02-27 12:15 J -42115094.13 -42115093.99 -42115093.83 0.0526 0.0452
 Saturn -120018-10-13 21:22 J -42114865.69 -42114865.61 -42114865.51 0.0270 0.0255
 Neptune -120017-04-14 23:17 J -42114681.78 -42114681.53 -42114681.27 0.0089 0.0047
 Neptune -120015-03-10 06:01 J -42113987.50 -42113987.25 -42113986.95 0.0089 0.0038
 Uranus -120015-11-07 20:53 J -42113744.94 -42113744.63 -42113744.30 0.0131 0.0033
 Neptune -120013-02-02 14:25 J -42113293.19 -42113292.90 -42113292.61 0.0089 0.0027
 Neptune -120012-12-28 00:15 J -42112598.78 -42112598.49 -42112598.18 0.0089 0.0017
 Neptune -120010-11-22 11:46 J -42111904.31 -42111904.01 -42111903.70 0.0089 0.0007
 Neptune -120008-10-16 23:32 J -42111209.83 -42111209.52 -42111209.21 0.0089 0.0004
 Neptune -120006-09-11 12:29 J -42110515.28 -42110514.98 -42110514.67 0.0089 0.0014
 Neptune -120004-08-06 03:08 J -42109820.65 -42109820.37 -42109820.05 0.0089 0.0025
 Neptune -120002-07-01 18:58 J -42109125.99 -42109125.71 -42109125.42 0.0089 0.0035
 Saturn -120002-09-13 09:37 J -42109052.21 -42109052.10 -42109051.98 0.0292 0.0269

120TH MILLENNIUM BCE

This is a list of transits of Mars in the 120th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Jupiter -120000-01-10 00:01 J -42108567.71 -42108567.50 -42108567.27 0.0499 0.0265
Neptune -120000-05-26 11:32 J -42108431.26 -42108431.02 -42108430.73 0.0089 0.0046
Neptune -119998-04-21 06:29 J -42107736.44 -42107736.23 -42107735.96 0.0089 0.0056
Neptune -119996-03-16 03:22 J -42107041.55 -42107041.36 -42107041.12 0.0089 0.0066
Neptune -119994-02-09 00:58 J -42106346.59 -42106346.46 -42106346.26 0.0089 0.0076
Neptune -119992-01-04 00:44 J -42105651.53 -42105651.47 -42105651.34 0.0089 0.0085
Saturn -119990-12-03 01:56 J -42104588.68 -42104588.42 -42104588.16 0.0275 0.0119
Jupiter -119983-12-05 11:46 J -42102029.29 -42102029.01 -42102028.72 0.0527 0.0088
Uranus -119974-04-15 21:08 J -42098975.90 -42098975.62 -42098975.34 0.0148 0.0038
Saturn -119974-10-27 04:34 J -42098781.49 -42098781.31 -42098781.11 0.0286 0.0219
Jupiter -119965-10-13 19:56 J -42095506.93 -42095506.67 -42095506.42 0.0499 0.0094
Saturn -119959-01-20 16:34 J -42093582.08 -42093581.81 -42093581.54 0.0272 0.0090
Saturn -119944-12-17 15:51 J -42087772.14 -42087771.84 -42087771.54 0.0290 0.0038
Neptune -119941-06-06 05:46 J -42086870.36 -42086870.26 -42086870.13 0.0088 0.0083
Neptune -119939-05-02 21:22 J -42086174.76 -42086174.61 -42086174.40 0.0088 0.0074
Neptune -119937-03-28 12:44 J -42085479.16 -42085478.97 -42085478.70 0.0088 0.0064
Neptune -119935-02-22 03:37 J -42084783.60 -42084783.35 -42084783.07 0.0088 0.0053
Neptune -119933-01-18 16:49 J -42084088.06 -42084087.80 -42084087.48 0.0088 0.0043
Uranus -119932-07-31 03:37 J -42083528.56 -42083528.35 -42083528.12 0.0131 0.0096
Neptune -119932-12-14 05:03 J -42083392.57 -42083392.29 -42083391.96 0.0088 0.0032
Uranus -119930-07-03 19:56 J -42082825.84 -42082825.67 -42082825.43 0.0131 0.0103
Neptune -119930-11-09 15:37 J -42082697.16 -42082696.85 -42082696.52 0.0088 0.0021
Jupiter -119929-07-17 18:29 J -42082445.84 -42082445.73 -42082445.63 0.0499 0.0455
Neptune -119928-10-05 00:29 J -42082001.80 -42082001.48 -42082001.16 0.0088 0.0010
Neptune -119926-08-31 08:10 J -42081306.49 -42081306.16 -42081305.84 0.0089 0.0001
Neptune -119924-07-26 14:10 J -42080611.22 -42080610.91 -42080610.59 0.0089 0.0012
Neptune -119922-06-21 18:01 J -42079916.04 -42079915.75 -42079915.42 0.0089 0.0023
Neptune -119920-05-16 21:37 J -42079220.89 -42079220.60 -42079220.29 0.0089 0.0033

Neptune -119918-04-11 23:32 J -42078525.78 -42078525.52 -42078525.23 0.0089 0.0043
 Neptune -119916-03-06 23:03 J -42077830.77 -42077830.54 -42077830.26 0.0089 0.0053
 Pluto -119916-11-12 17:46 J -42077579.92 -42077579.76 -42077579.52 0.0065 0.0050
 Neptune -119914-01-30 21:22 J -42077135.82 -42077135.61 -42077135.37 0.0089 0.0062
 Neptune -119913-12-25 18:44 J -42076440.89 -42076440.72 -42076440.52 0.0089 0.0071
 Neptune -119911-11-20 13:27 J -42075746.04 -42075745.94 -42075745.77 0.0089 0.0080
 Neptune -119909-10-15 07:13 J -42075051.21 -42075051.20 -42075051.12 0.0089 0.0088
 Saturn -119901-04-29 02:53 J -42072298.65 -42072298.38 -42072298.10 0.0275 0.0085
 Uranus -119890-12-10 00:44 J -42068056.73 -42068056.47 -42068056.18 0.0148 0.0050
 Saturn -119885-03-23 08:53 J -42066491.35 -42066491.13 -42066490.89 0.0287 0.0179
 Saturn -119871-06-17 15:08 J -42061292.13 -42061291.87 -42061291.61 0.0271 0.0119
 Jupiter -119864-05-22 03:22 J -42058761.57 -42058761.36 -42058761.13 0.0527 0.0346
 Neptune -119863-05-29 08:10 J -42058389.18 -42058389.16 -42058389.10 0.0089 0.0088
 Neptune -119861-04-22 11:17 J -42057695.15 -42057695.03 -42057694.90 0.0089 0.0081
 Neptune -119859-03-17 13:56 J -42057001.08 -42057000.92 -42057000.73 0.0089 0.0072
 Neptune -119857-02-09 18:01 J -42056306.93 -42056306.75 -42056306.52 0.0089 0.0064
 Neptune -119855-01-03 23:17 J -42055612.74 -42055612.53 -42055612.27 0.0089 0.0055
 Saturn -119855-05-14 19:27 J -42055481.98 -42055481.69 -42055481.40 0.0290 0.0071
 Neptune -119854-11-29 04:49 J -42054918.53 -42054918.30 -42054918.02 0.0089 0.0046
 Neptune -119852-10-23 12:29 J -42054224.26 -42054223.98 -42054223.71 0.0089 0.0036
 Neptune -119850-09-17 19:56 J -42053529.94 -42053529.67 -42053529.37 0.0089 0.0027
 Neptune -119848-08-12 03:51 J -42052835.63 -42052835.34 -42052835.03 0.0089 0.0017
 Uranus -119847-03-25 23:03 J -42052609.86 -42052609.54 -42052609.22 0.0131 0.0028
 Jupiter -119846-04-05 00:15 J -42052234.73 -42052234.49 -42052234.25 0.0499 0.0175
 Neptune -119846-07-07 13:27 J -42052141.24 -42052140.94 -42052140.63 0.0089 0.0007
 Neptune -119844-06-01 00:44 J -42051446.77 -42051446.47 -42051446.16 0.0089 0.0003
 Saturn -119843-08-06 01:13 J -42051015.52 -42051015.45 -42051015.36 0.0278 0.0267
 Neptune -119842-04-26 12:29 J -42050752.27 -42050751.98 -42050751.66 0.0089 0.0014
 Neptune -119840-03-21 01:13 J -42050057.73 -42050057.45 -42050057.13 0.0089 0.0024
 Neptune -119838-02-13 16:49 J -42049363.07 -42049362.80 -42049362.49 0.0089 0.0034

Neptune -119836-01-08 09:08 J -42048668.37 -42048668.12 -42048667.83 0.0089 0.0044
 Neptune -119835-12-04 02:10 J -42047973.63 -42047973.41 -42047973.13 0.0089 0.0054
 Neptune -119833-10-28 21:37 J -42047278.80 -42047278.60 -42047278.36 0.0089 0.0063
 Neptune -119831-09-23 18:15 J -42046583.89 -42046583.74 -42046583.53 0.0089 0.0073
 Neptune -119829-08-18 15:51 J -42045888.92 -42045888.84 -42045888.67 0.0089 0.0082
 Jupiter -119828-02-27 03:08 J -42045696.63 -42045696.37 -42045696.10 0.0526 0.0202
 Saturn -119813-09-24 00:29 J -42040008.76 -42040008.48 -42040008.19 0.0274 0.0054
 Jupiter -119810-01-07 02:25 J -42039173.64 -42039173.40 -42039173.16 0.0499 0.0196
 Uranus -119807-09-01 05:17 J -42037840.42 -42037840.28 -42037840.10 0.0148 0.0122
 Uranus -119805-08-03 23:17 J -42037137.65 -42037137.53 -42037137.39 0.0148 0.0131
 Saturn -119797-08-18 01:27 J -42034201.69 -42034201.44 -42034201.19 0.0287 0.0152
 Saturn -119783-11-12 09:08 J -42029002.35 -42029002.12 -42029001.87 0.0271 0.0151
 Neptune -119777-01-19 07:41 J -42027108.28 -42027108.18 -42027108.01 0.0088 0.0081
 Neptune -119776-12-15 01:27 J -42026412.63 -42026412.44 -42026412.24 0.0088 0.0071
 Neptune -119774-11-10 16:34 J -42025717.02 -42025716.81 -42025716.55 0.0088 0.0062
 Neptune -119772-10-06 07:41 J -42025021.42 -42025021.18 -42025020.88 0.0088 0.0052
 Neptune -119770-09-01 21:37 J -42024325.86 -42024325.60 -42024325.28 0.0088 0.0042
 Neptune -119768-07-28 10:34 J -42023630.36 -42023630.06 -42023629.74 0.0088 0.0031
 Saturn -119767-10-09 05:17 J -42023192.55 -42023192.28 -42023192.00 0.0291 0.0103
 Neptune -119766-06-23 22:05 J -42022934.88 -42022934.58 -42022934.24 0.0088 0.0021
 Neptune -119764-05-19 08:25 J -42022239.47 -42022239.15 -42022238.82 0.0088 0.0010
 Uranus -119763-11-18 18:58 J -42021691.01 -42021690.71 -42021690.38 0.0131 0.0040
 Neptune -119762-04-14 17:03 J -42021544.11 -42021543.79 -42021543.47 0.0089 0.0001
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 Neptune -119758-02-03 06:44 J -42020153.52 -42020153.22 -42020152.90 0.0089 0.0022
 Neptune -119757-12-29 10:49 J -42019458.34 -42019458.05 -42019457.74 0.0089 0.0032
 Neptune -119755-11-24 13:41 J -42018763.19 -42018762.93 -42018762.63 0.0089 0.0042
 Saturn -119755-12-31 16:49 J -42018725.93 -42018725.80 -42018725.64 0.0277 0.0239
 Neptune -119753-10-19 15:37 J -42018068.10 -42018067.85 -42018067.58 0.0089 0.0051
 Neptune -119751-09-14 15:08 J -42017373.09 -42017372.87 -42017372.63 0.0089 0.0060

Neptune -119749-08-09 12:15 J -42016678.16 -42016677.99 -42016677.76 0.0089 0.0069
 Neptune -119747-07-05 09:37 J -42015983.24 -42015983.10 -42015982.93 0.0089 0.0077
 Neptune -119745-05-30 05:03 J -42015288.35 -42015288.29 -42015288.18 0.0089 0.0085
 Jupiter -119728-09-24 12:58 J -42008962.09 -42008961.96 -42008961.83 0.0499 0.0430
 Saturn -119724-02-18 11:46 J -42007719.30 -42007719.01 -42007718.72 0.0274 0.0023
 Uranus -119722-04-27 02:39 J -42006921.66 -42006921.39 -42006921.10 0.0148 0.0041
 Jupiter -119710-08-15 18:15 J -42002428.01 -42002427.74 -42002427.46 0.0526 0.0191
 Saturn -119708-01-11 18:58 J -42001912.96 -42001912.71 -42001912.44 0.0287 0.0129
 Neptune -119699-01-11 16:34 J -41998625.87 -41998625.81 -41998625.70 0.0089 0.0085
 Neptune -119698-12-06 19:27 J -41997931.80 -41997931.69 -41997931.51 0.0089 0.0078
 Neptune -119696-10-30 23:17 J -41997237.68 -41997237.53 -41997237.32 0.0089 0.0070
 Saturn -119694-04-08 11:32 J -41996713.24 -41996713.02 -41996712.79 0.0271 0.0169
 Neptune -119694-09-25 02:25 J -41996543.58 -41996543.40 -41996543.16 0.0089 0.0062
 Jupiter -119692-06-28 21:08 J -41995900.88 -41995900.62 -41995900.36 0.0499 0.0048
 Neptune -119692-08-19 06:58 J -41995849.44 -41995849.21 -41995848.95 0.0089 0.0053
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 Neptune -119686-05-03 00:15 J -41993766.76 -41993766.49 -41993766.19 0.0089 0.0026
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 Neptune -119682-02-19 17:17 J -41992378.08 -41992377.78 -41992377.47 0.0089 0.0007
 Neptune -119680-01-14 03:22 J -41991683.66 -41991683.36 -41991683.05 0.0089 0.0003
 Uranus -119680-08-10 22:05 J -41991474.78 -41991474.58 -41991474.32 0.0131 0.0092
 Neptune -119679-12-09 15:08 J -41990989.17 -41990988.87 -41990988.56 0.0089 0.0013
 Saturn -119678-03-04 15:51 J -41990904.10 -41990903.84 -41990903.55 0.0290 0.0116
 Uranus -119678-07-14 14:53 J -41990772.04 -41990771.88 -41990771.67 0.0131 0.0109
 Neptune -119677-11-03 03:51 J -41990294.63 -41990294.34 -41990294.03 0.0089 0.0023
 Neptune -119675-09-28 16:34 J -41989600.07 -41989599.81 -41989599.50 0.0089 0.0033
 Jupiter -119674-05-24 03:22 J -41989362.55 -41989362.36 -41989362.15 0.0526 0.0380
 Neptune -119673-08-23 08:10 J -41988905.42 -41988905.16 -41988904.87 0.0089 0.0042
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Pluto -119669-04-03 14:53 J -41987586.17 -41987585.88 -41987585.58 0.0065 0.0017
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 Saturn -119148-07-26 16:34 J -41797177.05 -41797176.81 -41797176.56 0.0288 0.0161
 Jupiter -119147-11-29 18:44 J -41796685.94 -41796685.72 -41796685.49 0.0499 0.0244
 Saturn -119136-10-19 03:22 J -41792709.57 -41792709.36 -41792709.12 0.0279 0.0177
 Uranus -119133-01-13 20:25 J -41791892.91 -41791892.65 -41791892.38 0.0148 0.0060
 Jupiter -119129-10-18 02:10 J -41790153.70 -41790153.41 -41790153.12 0.0527 0.0062
 Neptune -119127-09-19 23:32 J -41789451.63 -41789451.52 -41789451.41 0.0088 0.0083
 Neptune -119125-08-15 18:44 J -41788755.86 -41788755.72 -41788755.51 0.0088 0.0076
 Neptune -119123-07-12 14:25 J -41788060.10 -41788059.90 -41788059.67 0.0088 0.0068
 Neptune -119121-06-07 08:53 J -41787364.35 -41787364.13 -41787363.85 0.0088 0.0060
 Neptune -119119-05-04 03:51 J -41786668.60 -41786668.34 -41786668.05 0.0088 0.0051
 Neptune -119117-03-29 21:51 J -41785972.88 -41785972.59 -41785972.29 0.0088 0.0042
 Neptune -119115-02-23 15:22 J -41785277.16 -41785276.86 -41785276.55 0.0088 0.0033
 Neptune -119113-01-20 08:10 J -41784581.47 -41784581.16 -41784580.83 0.0088 0.0024
 Neptune -119112-12-15 23:17 J -41783885.84 -41783885.53 -41783885.19 0.0088 0.0015
 Jupiter -119111-09-02 15:37 J -41783625.10 -41783624.85 -41783624.59 0.0499 0.0129
 Neptune -119110-11-11 13:27 J -41783190.26 -41783189.94 -41783189.61 0.0088 0.0005
 Neptune -119108-10-07 02:25 J -41782494.72 -41782494.40 -41782494.06 0.0088 0.0005
 Neptune -119106-09-02 14:25 J -41781799.21 -41781798.90 -41781798.57 0.0088 0.0014

Saturn -119106-12-08 08:10 J -41781702.44 -41781702.16 -41781701.87 0.0276 0.0039
 Neptune -119104-07-29 00:29 J -41781103.78 -41781103.48 -41781103.15 0.0088 0.0023
 Neptune -119102-06-24 09:37 J -41780408.38 -41780408.10 -41780407.77 0.0088 0.0032
 Neptune -119100-05-19 17:32 J -41779713.04 -41779712.77 -41779712.46 0.0089 0.0040
 Neptune -119098-04-14 23:46 J -41779017.77 -41779017.51 -41779017.22 0.0089 0.0048
 Neptune -119096-03-10 04:20 J -41778322.55 -41778322.32 -41778322.05 0.0089 0.0056
 Neptune -119094-02-03 07:41 J -41777627.37 -41777627.18 -41777626.93 0.0089 0.0064
 Neptune -119093-12-29 09:22 J -41776932.28 -41776932.11 -41776931.90 0.0089 0.0071
 Uranus -119091-04-27 18:01 J -41776448.07 -41776447.75 -41776447.42 0.0131 0.0008
 Neptune -119091-11-24 09:08 J -41776237.24 -41776237.12 -41776236.94 0.0089 0.0078
 Saturn -119090-10-31 17:17 J -41775896.07 -41775895.78 -41775895.49 0.0285 0.0052
 Neptune -119089-10-19 08:10 J -41775542.23 -41775542.16 -41775542.03 0.0089 0.0084
 Saturn -119075-01-26 00:44 J -41770695.59 -41770695.47 -41770695.32 0.0273 0.0240
 Saturn -119060-12-21 22:20 J -41764886.78 -41764886.57 -41764886.33 0.0288 0.0192
 Uranus -119051-10-06 04:49 J -41761676.47 -41761676.30 -41761676.09 0.0148 0.0112
 Neptune -119051-10-28 07:27 J -41761654.19 -41761654.19 -41761654.18 0.0089 0.0089
 Uranus -119049-09-07 23:03 J -41760973.55 -41760973.54 -41760973.49 0.0147 0.0147
 Neptune -119049-09-21 09:22 J -41760960.20 -41760960.11 -41760960.00 0.0089 0.0084
 Saturn -119047-03-15 20:39 J -41760419.88 -41760419.64 -41760419.38 0.0279 0.0148
 Neptune -119047-08-16 10:49 J -41760266.19 -41760266.05 -41760265.91 0.0089 0.0078
 Neptune -119045-07-10 12:44 J -41759572.14 -41759571.97 -41759571.78 0.0089 0.0072
 Neptune -119043-06-04 13:41 J -41758878.10 -41758877.93 -41758877.70 0.0089 0.0065
 Neptune -119041-04-28 14:53 J -41758184.08 -41758183.88 -41758183.62 0.0089 0.0058
 Neptune -119039-03-23 17:32 J -41757490.00 -41757489.77 -41757489.51 0.0089 0.0051
 Neptune -119037-02-15 20:10 J -41756795.90 -41756795.66 -41756795.38 0.0089 0.0043
 Neptune -119035-01-09 22:34 J -41756101.82 -41756101.56 -41756101.27 0.0089 0.0035
 Neptune -119034-12-05 02:39 J -41755407.66 -41755407.39 -41755407.09 0.0089 0.0027
 Neptune -119032-10-29 07:41 J -41754713.46 -41754713.18 -41754712.87 0.0089 0.0019
 Saturn -119031-02-05 12:29 J -41754614.11 -41754613.98 -41754613.84 0.0282 0.0249
 Neptune -119030-09-23 12:01 J -41754019.29 -41754019.00 -41754018.69 0.0089 0.0011

Neptune -119028-08-17 17:32 J -41753325.07 -41753324.77 -41753324.47 0.0089 0.0002
 Neptune -119026-07-13 00:29 J -41752630.78 -41752630.48 -41752630.18 0.0089 0.0006
 Neptune -119024-06-06 07:41 J -41751936.47 -41751936.18 -41751935.87 0.0089 0.0015
 Neptune -119022-05-01 15:37 J -41751242.14 -41751241.85 -41751241.55 0.0089 0.0023
 Neptune -119020-03-26 01:41 J -41750547.71 -41750547.43 -41750547.14 0.0089 0.0031
 Neptune -119018-02-18 12:15 J -41749853.25 -41749852.99 -41749852.70 0.0089 0.0040
 Saturn -119017-05-04 04:20 J -41749412.60 -41749412.32 -41749412.03 0.0276 0.0066
 Neptune -119016-01-13 00:15 J -41749158.73 -41749158.49 -41749158.22 0.0089 0.0048
 Neptune -119015-12-08 13:41 J -41748464.15 -41748463.93 -41748463.67 0.0089 0.0056
 Neptune -119013-11-02 05:17 J -41747769.50 -41747769.28 -41747769.06 0.0089 0.0063
 Neptune -119011-09-27 20:10 J -41747074.82 -41747074.66 -41747074.44 0.0089 0.0071
 Jupiter -119010-04-04 18:58 J -41746885.89 -41746885.71 -41746885.50 0.0527 0.0388
 Neptune -119009-08-22 13:27 J -41746380.05 -41746379.94 -41746379.75 0.0089 0.0078
 Neptune -119007-07-18 09:22 J -41745685.19 -41745685.11 -41745685.00 0.0089 0.0084
 Uranus -119007-12-21 14:25 J -41745529.18 -41745528.90 -41745528.60 0.0131 0.0063
 Saturn -119001-03-28 01:27 J -41743605.74 -41743605.44 -41743605.15 0.0285 0.0020

119TH MILLENNIUM BCE

This is a list of transits of Mars in the 119th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Jupiter -118992-02-21 20:10 J -41740352.90 -41740352.66 -41740352.41 0.0499 0.0150

Saturn -118987-06-22 20:39 J -41738405.67 -41738405.64 -41738405.57 0.0273 0.0269
 Jupiter -118974-01-10 17:17 J -41733821.06 -41733820.78 -41733820.51 0.0526 0.0177
 Saturn -118971-05-19 06:29 J -41732596.39 -41732596.23 -41732596.04 0.0289 0.0236
 Uranus -118966-06-01 15:37 J -41730757.14 -41730756.85 -41730756.56 0.0148 0.0019
 Neptune -118965-06-07 02:39 J -41730385.45 -41730385.39 -41730385.30 0.0088 0.0086
 Neptune -118963-05-03 22:49 J -41729689.69 -41729689.55 -41729689.39 0.0088 0.0079
 Neptune -118961-03-29 18:44 J -41728993.89 -41728993.72 -41728993.50 0.0088 0.0071
 Neptune -118959-02-23 14:39 J -41728298.10 -41728297.89 -41728297.64 0.0088 0.0064
 Saturn -118959-08-10 22:05 J -41728129.85 -41728129.58 -41728129.31 0.0278 0.0116
 Neptune -118957-01-20 10:20 J -41727602.32 -41727602.07 -41727601.80 0.0088 0.0056
 Jupiter -118957-11-25 19:41 J -41727291.91 -41727291.68 -41727291.45 0.0499 0.0230
 Neptune -118956-12-16 05:03 J -41726906.55 -41726906.29 -41726905.99 0.0088 0.0048
 Neptune -118954-11-11 23:17 J -41726210.80 -41726210.53 -41726210.20 0.0088 0.0040
 Neptune -118952-10-07 17:17 J -41725515.07 -41725514.78 -41725514.44 0.0088 0.0031
 Neptune -118950-09-03 10:20 J -41724819.37 -41724819.07 -41724818.73 0.0088 0.0022
 Neptune -118948-07-30 02:53 J -41724123.70 -41724123.38 -41724123.04 0.0088 0.0012
 Neptune -118946-06-25 17:46 J -41723428.08 -41723427.76 -41723427.42 0.0088 0.0004
 Neptune -118944-05-21 07:13 J -41722732.52 -41722732.20 -41722731.87 0.0088 0.0006
 Saturn -118943-07-03 15:37 J -41722324.03 -41722323.85 -41722323.66 0.0282 0.0218
 Neptune -118942-04-16 19:41 J -41722037.00 -41722036.68 -41722036.35 0.0088 0.0014
 Neptune -118940-03-12 07:27 J -41721341.49 -41721341.19 -41721340.86 0.0088 0.0024
 Neptune -118938-02-05 18:01 J -41720646.05 -41720645.75 -41720645.44 0.0088 0.0032
 Neptune -118936-01-01 02:25 J -41719950.66 -41719950.40 -41719950.08 0.0088 0.0041
 Neptune -118935-11-27 10:20 J -41719255.32 -41719255.07 -41719254.77 0.0089 0.0049
 Neptune -118933-10-22 16:20 J -41718560.05 -41718559.82 -41718559.55 0.0089 0.0056
 Neptune -118931-09-17 20:25 J -41717864.86 -41717864.65 -41717864.41 0.0089 0.0063
 Neptune -118929-08-12 23:32 J -41717169.70 -41717169.52 -41717169.31 0.0089 0.0070
 Saturn -118929-09-29 03:37 J -41717122.61 -41717122.35 -41717122.07 0.0275 0.0102
 Neptune -118927-07-09 00:44 J -41716474.59 -41716474.47 -41716474.28 0.0089 0.0077
 Neptune -118925-06-03 00:15 J -41715779.56 -41715779.49 -41715779.33 0.0089 0.0083

Uranus -118924-09-13 00:01 J -41715312.78 -41715312.50 -41715312.22 0.0131 0.0069
 Neptune -118923-04-29 00:01 J -41715084.52 -41715084.50 -41715084.44 0.0089 0.0088
 Saturn -118913-08-23 01:27 J -41711315.73 -41711315.44 -41711315.14 0.0286 0.0019
 Neptune -118887-06-12 16:34 J -41701890.87 -41701890.81 -41701890.70 0.0089 0.0086
 Neptune -118885-05-06 18:29 J -41701196.82 -41701196.73 -41701196.57 0.0089 0.0080
 Neptune -118883-03-31 20:25 J -41700502.79 -41700502.65 -41700502.46 0.0089 0.0074
 Saturn -118883-10-14 06:15 J -41700306.35 -41700306.24 -41700306.11 0.0289 0.0265
 Uranus -118881-01-26 02:53 J -41699837.63 -41699837.38 -41699837.13 0.0148 0.0075
 Neptune -118881-02-23 21:08 J -41699808.78 -41699808.62 -41699808.40 0.0089 0.0068
 Neptune -118879-01-17 23:03 J -41699114.74 -41699114.54 -41699114.31 0.0089 0.0062
 Neptune -118878-12-13 01:27 J -41698420.67 -41698420.44 -41698420.20 0.0089 0.0055
 Neptune -118876-11-06 02:39 J -41697726.62 -41697726.39 -41697726.12 0.0089 0.0048
 Jupiter -118874-08-14 02:53 J -41697080.51 -41697080.38 -41697080.25 0.0499 0.0428
 Neptune -118874-10-01 05:03 J -41697032.54 -41697032.29 -41697032.01 0.0089 0.0040
 Neptune -118872-08-25 08:10 J -41696338.43 -41696338.16 -41696337.87 0.0089 0.0032
 Saturn -118870-01-05 21:51 J -41695839.87 -41695839.59 -41695839.31 0.0278 0.0078
 Neptune -118870-07-20 10:49 J -41695644.33 -41695644.05 -41695643.76 0.0089 0.0024
 Neptune -118868-06-13 13:56 J -41694950.21 -41694949.92 -41694949.63 0.0089 0.0016
 Neptune -118866-05-08 18:29 J -41694256.02 -41694255.73 -41694255.42 0.0089 0.0009
 Neptune -118864-04-01 23:17 J -41693561.83 -41693561.53 -41693561.23 0.0089 0.0001
 Neptune -118862-02-25 04:20 J -41692867.61 -41692867.32 -41692867.01 0.0089 0.0008
 Neptune -118860-01-19 11:32 J -41692173.31 -41692173.02 -41692172.71 0.0089 0.0016
 Neptune -118859-12-14 20:10 J -41691478.94 -41691478.66 -41691478.36 0.0089 0.0024
 Neptune -118857-11-08 04:34 J -41690784.58 -41690784.31 -41690784.02 0.0089 0.0032
 Jupiter -118856-06-27 18:44 J -41690552.97 -41690552.72 -41690552.46 0.0526 0.0258
 Neptune -118855-10-03 14:25 J -41690090.15 -41690089.90 -41690089.61 0.0089 0.0040
 Saturn -118855-11-28 02:53 J -41690034.60 -41690034.38 -41690034.16 0.0283 0.0187
 Neptune -118853-08-28 01:27 J -41689395.67 -41689395.44 -41689395.15 0.0089 0.0048
 Neptune -118851-07-23 13:27 J -41688701.16 -41688700.94 -41688700.68 0.0089 0.0055
 Neptune -118849-06-17 02:25 J -41688006.59 -41688006.40 -41688006.15 0.0089 0.0063

Neptune -118847-05-12 17:32 J -41687311.92 -41687311.77 -41687311.54 0.0089 0.0070
 Neptune -118845-04-06 10:34 J -41686617.21 -41686617.06 -41686616.89 0.0089 0.0076
 Neptune -118843-03-02 03:37 J -41685922.42 -41685922.35 -41685922.20 0.0089 0.0083
 Neptune -118841-01-26 00:29 J -41685227.51 -41685227.48 -41685227.45 0.0089 0.0088
 Saturn -118840-02-23 21:37 J -41684832.85 -41684832.60 -41684832.33 0.0274 0.0127
 Uranus -118839-05-08 22:20 J -41684393.89 -41684393.57 -41684393.24 0.0131 0.0004
 Jupiter -118838-05-18 07:13 J -41684019.46 -41684019.20 -41684018.94 0.0499 0.0038
 Saturn -118824-01-17 10:34 J -41679026.35 -41679026.06 -41679025.77 0.0286 0.0042
 Jupiter -118820-04-04 23:03 J -41677487.76 -41677487.54 -41677487.30 0.0526 0.0326
 Saturn -118812-04-12 18:58 J -41674557.76 -41674557.71 -41674557.62 0.0281 0.0272
 Neptune -118803-02-23 05:17 J -41671319.30 -41671319.28 -41671319.22 0.0088 0.0088
 Jupiter -118802-02-19 03:37 J -41670958.53 -41670958.35 -41670958.15 0.0499 0.0340
 Neptune -118801-01-20 00:29 J -41670623.58 -41670623.48 -41670623.33 0.0088 0.0082
 Neptune -118800-12-15 20:53 J -41669927.80 -41669927.63 -41669927.45 0.0088 0.0075
 Uranus -118799-10-18 18:01 J -41669620.96 -41669620.75 -41669620.50 0.0148 0.0091
 Neptune -118798-11-11 16:34 J -41669232.00 -41669231.81 -41669231.57 0.0088 0.0068
 Neptune -118796-10-07 12:29 J -41668536.19 -41668535.98 -41668535.70 0.0088 0.0060
 Neptune -118794-09-03 08:39 J -41667840.38 -41667840.14 -41667839.84 0.0088 0.0052
 Neptune -118792-07-30 04:05 J -41667144.59 -41667144.33 -41667144.01 0.0088 0.0045
 Neptune -118790-06-25 23:17 J -41666448.83 -41666448.53 -41666448.22 0.0088 0.0036
 Neptune -118788-05-21 17:17 J -41665753.08 -41665752.78 -41665752.45 0.0088 0.0027
 Neptune -118786-04-17 11:17 J -41665057.35 -41665057.03 -41665056.70 0.0088 0.0019
 Neptune -118784-03-13 03:51 J -41664361.65 -41664361.34 -41664361.00 0.0088 0.0011
 Neptune -118782-02-06 20:39 J -41663665.97 -41663665.64 -41663665.31 0.0088 0.0001
 Saturn -118782-06-02 06:44 J -41663550.51 -41663550.22 -41663549.93 0.0277 0.0054
 Neptune -118780-01-02 11:46 J -41662970.33 -41662970.01 -41662969.68 0.0088 0.0008
 Neptune -118779-11-29 00:58 J -41662274.77 -41662274.46 -41662274.12 0.0088 0.0017
 Neptune -118777-10-24 13:13 J -41661579.25 -41661578.95 -41661578.62 0.0088 0.0025
 Neptune -118775-09-20 00:44 J -41660883.76 -41660883.47 -41660883.16 0.0088 0.0033
 Neptune -118773-08-15 10:34 J -41660188.34 -41660188.06 -41660187.76 0.0088 0.0041

Neptune -118771-07-11 18:29 J -41659492.98 -41659492.73 -41659492.44 0.0088 0.0049
 Neptune -118769-06-06 02:10 J -41658797.65 -41658797.41 -41658797.15 0.0089 0.0056
 Neptune -118767-05-02 07:56 J -41658102.38 -41658102.17 -41658101.93 0.0089 0.0063
 Saturn -118766-04-23 19:56 J -41657745.90 -41657745.67 -41657745.43 0.0283 0.0169
 Neptune -118765-03-27 11:32 J -41657407.19 -41657407.02 -41657406.79 0.0089 0.0070
 Neptune -118763-02-20 14:10 J -41656712.05 -41656711.91 -41656711.72 0.0089 0.0076
 Neptune -118761-01-16 15:37 J -41656016.94 -41656016.85 -41656016.70 0.0089 0.0082
 Neptune -118760-12-11 14:53 J -41655321.92 -41655321.88 -41655321.79 0.0089 0.0087
 Uranus -118756-01-29 07:13 J -41654177.24 -41654177.20 -41654177.10 0.0131 0.0128
 Uranus -118754-01-01 20:10 J -41653474.91 -41653474.66 -41653474.37 0.0131 0.0075
 Saturn -118752-07-21 02:25 J -41652543.63 -41652543.40 -41652543.16 0.0275 0.0157
 Saturn -118736-06-12 17:03 J -41646738.07 -41646737.79 -41646737.49 0.0286 0.0061
 Neptune -118725-03-02 22:05 J -41642821.63 -41642821.58 -41642821.50 0.0089 0.0087
 Saturn -118724-09-06 14:53 J -41642268.98 -41642268.88 -41642268.73 0.0281 0.0254
 Neptune -118723-01-26 00:44 J -41642127.58 -41642127.47 -41642127.35 0.0089 0.0082
 Neptune -118722-12-21 01:41 J -41641433.56 -41641433.43 -41641433.25 0.0089 0.0076
 Jupiter -118720-11-07 02:53 J -41640746.58 -41640746.38 -41640746.16 0.0499 0.0294
 Neptune -118720-11-14 03:51 J -41640739.50 -41640739.34 -41640739.14 0.0089 0.0071
 Neptune -118718-10-09 06:29 J -41640045.42 -41640045.23 -41640045.01 0.0089 0.0064
 Neptune -118716-09-02 07:41 J -41639351.38 -41639351.18 -41639350.93 0.0089 0.0058
 Uranus -118714-06-14 00:01 J -41638701.80 -41638701.50 -41638701.21 0.0148 0.0002
 Neptune -118714-07-28 09:08 J -41638657.34 -41638657.12 -41638656.85 0.0089 0.0052
 Neptune -118712-06-21 11:32 J -41637963.26 -41637963.02 -41637962.74 0.0089 0.0045
 Neptune -118710-05-16 12:58 J -41637269.22 -41637268.96 -41637268.67 0.0089 0.0037
 Neptune -118708-04-09 14:53 J -41636575.15 -41636574.88 -41636574.59 0.0089 0.0030
 Neptune -118706-03-04 17:46 J -41635881.04 -41635880.76 -41635880.46 0.0089 0.0022
 Neptune -118704-01-26 20:53 J -41635186.92 -41635186.63 -41635186.33 0.0089 0.0014
 Neptune -118703-12-22 00:15 J -41634492.79 -41634492.49 -41634492.19 0.0089 0.0006
 Jupiter -118702-09-21 23:46 J -41634218.80 -41634218.51 -41634218.22 0.0527 0.0071
 Neptune -118701-11-15 05:32 J -41633798.57 -41633798.27 -41633797.97 0.0089 0.0002

Neptune -118699-10-10 10:49 J -41633104.35 -41633104.05 -41633103.75 0.0089 0.0009
 Neptune -118697-09-03 15:51 J -41632410.13 -41632409.84 -41632409.54 0.0089 0.0017
 Neptune -118695-07-29 22:34 J -41631715.84 -41631715.56 -41631715.26 0.0089 0.0025
 Saturn -118694-10-26 23:46 J -41631261.80 -41631261.51 -41631261.22 0.0278 0.0030
 Neptune -118693-06-23 06:29 J -41631021.49 -41631021.23 -41631020.93 0.0089 0.0033
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 Neptune -118271-11-26 20:39 J -41476729.73 -41476729.64 -41476729.47 0.0089 0.0081
 Neptune -118269-10-22 00:15 J -41476034.56 -41476034.49 -41476034.38 0.0089 0.0085
 Neptune -118267-09-17 01:41 J -41475339.43 -41475339.43 -41475339.42 0.0089 0.0089
 Jupiter -118257-07-22 06:00 J -41471743.50 -41471743.25 -41471743.00 0.0499 0.0150
 Uranus -118252-02-21 11:03 J -41470068.25 -41470068.04 -41470067.81 0.0131 0.0096
 Saturn -118252-10-24 13:27 J -41469823.23 -41469822.94 -41469822.64 0.0280 0.0017
 Uranus -118250-01-24 22:34 J -41469365.71 -41469365.56 -41469365.35 0.0131 0.0109
 Neptune -118240-05-02 18:29 J -41465614.75 -41465614.73 -41465614.69 0.0089 0.0089
 Neptune -118238-03-28 00:29 J -41464920.54 -41464920.48 -41464920.36 0.0089 0.0085
 Neptune -118236-02-19 04:34 J -41464226.39 -41464226.31 -41464226.14 0.0089 0.0081
 Saturn -118236-09-15 14:10 J -41464018.17 -41464017.91 -41464017.64 0.0281 0.0120
 Neptune -118234-01-14 08:53 J -41463532.25 -41463532.13 -41463531.95 0.0089 0.0076
 Neptune -118233-12-08 12:58 J -41462838.12 -41462837.96 -41462837.76 0.0089 0.0071
 Neptune -118231-11-02 16:20 J -41462144.02 -41462143.82 -41462143.62 0.0089 0.0066
 Neptune -118229-09-26 18:00 J -41461449.94 -41461449.75 -41461449.51 0.0089 0.0060
 Neptune -118227-08-21 21:08 J -41460755.83 -41460755.62 -41460755.36 0.0089 0.0054
 Neptune -118225-07-15 22:48 J -41460061.78 -41460061.55 -41460061.28 0.0089 0.0048

Neptune -118223-06-10 00:00 J -41459367.76 -41459367.50 -41459367.23 0.0089 0.0041
 Saturn -118222-12-13 19:56 J -41458815.86 -41458815.67 -41458815.45 0.0277 0.0193
 Neptune -118221-05-04 01:12 J -41458673.70 -41458673.45 -41458673.15 0.0089 0.0035
 Neptune -118219-03-29 02:53 J -41457979.64 -41457979.38 -41457979.08 0.0089 0.0028
 Neptune -118217-02-21 03:51 J -41457285.61 -41457285.34 -41457285.04 0.0089 0.0021
 Neptune -118215-01-15 05:32 J -41456591.56 -41456591.27 -41456590.97 0.0089 0.0014
 Neptune -118214-12-10 08:24 J -41455897.44 -41455897.15 -41455896.85 0.0089 0.0007
 Neptune -118212-11-03 10:48 J -41455203.35 -41455203.05 -41455202.75 0.0089 0.0001
 Uranus -118210-07-08 14:53 J -41454591.16 -41454590.88 -41454590.59 0.0148 0.0033
 Neptune -118210-09-28 13:12 J -41454509.24 -41454508.95 -41454508.64 0.0089 0.0008
 Neptune -118208-08-22 16:48 J -41453815.08 -41453814.80 -41453814.49 0.0089 0.0015
 Neptune -118206-07-17 20:53 J -41453120.92 -41453120.63 -41453120.34 0.0089 0.0022
 Saturn -118206-11-05 15:22 J -41453010.13 -41453009.86 -41453009.58 0.0284 0.0101
 Neptune -118204-06-11 00:44 J -41452426.75 -41452426.47 -41452426.18 0.0089 0.0029
 Neptune -118202-05-06 06:15 J -41451732.50 -41451732.24 -41451731.95 0.0089 0.0036
 Neptune -118200-03-30 12:15 J -41451038.23 -41451037.99 -41451037.70 0.0089 0.0043
 Neptune -118198-02-22 18:44 J -41450343.94 -41450343.72 -41450343.44 0.0089 0.0050
 Neptune -118196-01-17 03:36 J -41449649.57 -41449649.35 -41449649.09 0.0089 0.0056
 Neptune -118195-12-12 13:41 J -41448955.13 -41448954.93 -41448954.69 0.0089 0.0062
 Saturn -118193-01-29 19:12 J -41448541.87 -41448541.70 -41448541.50 0.0283 0.0221
 Neptune -118193-11-05 23:32 J -41448260.69 -41448260.52 -41448260.29 0.0089 0.0068
 Neptune -118191-10-01 11:17 J -41447566.19 -41447566.03 -41447565.84 0.0089 0.0073
 Neptune -118189-08-26 00:44 J -41446871.60 -41446871.47 -41446871.32 0.0089 0.0078
 Pluto -118187-05-14 15:08 J -41446245.12 -41446244.87 -41446244.59 0.0065 0.0032
 Neptune -118187-07-21 14:24 J -41446176.99 -41446176.90 -41446176.78 0.0089 0.0083
 Neptune -118185-06-15 05:03 J -41445482.30 -41445482.29 -41445482.20 0.0089 0.0088
 Uranus -118168-10-17 13:41 J -41439149.24 -41439148.93 -41439148.60 0.0131 0.0021
 Saturn -118163-03-20 22:20 J -41437533.86 -41437533.57 -41437533.27 0.0280 0.0005
 Jupiter -118156-02-15 09:22 J -41435010.26 -41435010.11 -41435009.94 0.0528 0.0444
 Neptune -118155-11-28 05:46 J -41434359.30 -41434359.26 -41434359.17 0.0088 0.0087

Neptune -118153-10-23 21:51 J -41433663.70 -41433663.59 -41433663.45 0.0088 0.0082
 Neptune -118151-09-19 14:24 J -41432968.05 -41432967.90 -41432967.72 0.0088 0.0077
 Neptune -118149-08-15 07:12 J -41432272.36 -41432272.20 -41432271.97 0.0088 0.0072
 Saturn -118147-02-10 12:00 J -41431728.26 -41431728.00 -41431727.71 0.0281 0.0095
 Neptune -118147-07-12 01:56 J -41431576.62 -41431576.42 -41431576.17 0.0088 0.0065
 Neptune -118145-06-06 21:22 J -41430880.84 -41430880.61 -41430880.34 0.0088 0.0059
 Neptune -118143-05-03 16:34 J -41430185.04 -41430184.81 -41430184.50 0.0088 0.0053
 Neptune -118141-03-29 12:58 J -41429489.24 -41429488.96 -41429488.66 0.0088 0.0045
 Neptune -118139-02-23 08:53 J -41428793.42 -41428793.13 -41428792.81 0.0088 0.0038
 Jupiter -118138-01-11 15:22 J -41428471.11 -41428470.86 -41428470.61 0.0499 0.0130
 Neptune -118137-01-20 04:48 J -41428097.60 -41428097.30 -41428096.97 0.0088 0.0030
 Neptune -118136-12-16 01:12 J -41427401.77 -41427401.45 -41427401.12 0.0088 0.0023
 Neptune -118134-11-11 21:22 J -41426705.94 -41426705.61 -41426705.28 0.0088 0.0015
 Saturn -118133-05-09 07:41 J -41426526.35 -41426526.18 -41426525.99 0.0277 0.0217
 Neptune -118132-10-07 17:03 J -41426010.12 -41426009.79 -41426009.45 0.0088 0.0007
 Neptune -118130-09-03 12:44 J -41425314.31 -41425313.97 -41425313.64 0.0088 0.0001
 Neptune -118128-07-30 06:58 J -41424618.53 -41424618.21 -41424617.87 0.0088 0.0009
 Uranus -118127-03-30 23:46 J -41424374.60 -41424374.51 -41424374.42 0.0148 0.0141
 Neptune -118126-06-26 00:29 J -41423922.80 -41423922.48 -41423922.15 0.0088 0.0017
 Uranus -118125-03-02 23:32 J -41423671.65 -41423671.52 -41423671.35 0.0148 0.0127
 Neptune -118124-05-21 16:48 J -41423227.10 -41423226.80 -41423226.46 0.0088 0.0025
 Neptune -118122-04-17 09:22 J -41422531.41 -41422531.11 -41422530.80 0.0088 0.0032
 Jupiter -118121-11-23 07:12 J -41421945.48 -41421945.20 -41421944.91 0.0527 0.0141
 Neptune -118120-03-13 00:00 J -41421835.77 -41421835.50 -41421835.18 0.0088 0.0040
 Neptune -118118-02-06 14:24 J -41421140.15 -41421139.90 -41421139.59 0.0088 0.0047
 Saturn -118117-04-01 16:34 J -41420720.06 -41420719.81 -41420719.54 0.0285 0.0140
 Neptune -118116-01-02 04:05 J -41420444.59 -41420444.33 -41420444.06 0.0088 0.0053
 Neptune -118115-11-28 15:08 J -41419749.08 -41419748.87 -41419748.60 0.0088 0.0060
 Neptune -118113-10-24 01:41 J -41419053.65 -41419053.43 -41419053.21 0.0088 0.0065
 Neptune -118111-09-19 10:20 J -41418358.24 -41418358.07 -41418357.85 0.0088 0.0071

Neptune -118109-08-14 18:15 J -41417662.89 -41417662.74 -41417662.56 0.0088 0.0076
 Neptune -118107-07-10 23:46 J -41416967.62 -41416967.51 -41416967.35 0.0088 0.0081
 Neptune -118105-06-05 04:48 J -41416272.36 -41416272.30 -41416272.18 0.0089 0.0085
 Saturn -118105-06-25 16:34 J -41416252.02 -41416251.81 -41416251.58 0.0282 0.0191
 Neptune -118103-05-01 08:39 J -41415577.14 -41415577.14 -41415577.10 0.0089 0.0089
 Jupiter -118103-10-15 14:53 J -41415410.09 -41415409.88 -41415409.65 0.0498 0.0263
 Pluto -118100-11-12 22:48 J -41414285.87 -41414285.55 -41414285.21 0.0080 0.0008
 Saturn -118089-05-18 23:46 J -41410445.56 -41410445.51 -41410445.46 0.0278 0.0273
 Uranus -118083-06-12 17:46 J -41408230.04 -41408229.76 -41408229.44 0.0131 0.0056
 Neptune -118077-12-15 16:05 J -41405851.91 -41405851.83 -41405851.75 0.0089 0.0085
 Saturn -118075-08-15 20:24 J -41405243.93 -41405243.65 -41405243.35 0.0279 0.0040
 Neptune -118075-11-09 21:08 J -41405157.70 -41405157.62 -41405157.46 0.0089 0.0082
 Neptune -118073-10-04 04:20 J -41404463.45 -41404463.32 -41404463.16 0.0089 0.0077
 Neptune -118071-08-29 08:53 J -41403769.27 -41403769.13 -41403768.93 0.0089 0.0073
 Neptune -118069-07-23 12:58 J -41403075.12 -41403074.96 -41403074.73 0.0089 0.0068
 Neptune -118067-06-17 17:17 J -41402380.98 -41402380.78 -41402380.55 0.0089 0.0062
 Neptune -118065-05-11 19:41 J -41401686.87 -41401686.68 -41401686.42 0.0089 0.0058
 Neptune -118063-04-05 21:22 J -41400992.82 -41400992.61 -41400992.33 0.0089 0.0052
 Neptune -118061-02-29 00:15 J -41400298.75 -41400298.49 -41400298.23 0.0089 0.0045
 Neptune -118059-01-23 01:56 J -41399604.68 -41399604.42 -41399604.14 0.0089 0.0038
 Saturn -118059-07-08 14:39 J -41399438.17 -41399437.89 -41399437.60 0.0282 0.0056
 Neptune -118058-12-18 02:24 J -41398910.66 -41398910.40 -41398910.10 0.0089 0.0032
 Neptune -118056-11-11 04:05 J -41398216.60 -41398216.33 -41398216.03 0.0089 0.0025
 Neptune -118054-10-06 06:15 J -41397522.52 -41397522.24 -41397521.93 0.0089 0.0019
 Neptune -118052-08-30 07:41 J -41396828.47 -41396828.18 -41396827.88 0.0089 0.0011
 Neptune -118050-07-25 08:39 J -41396134.43 -41396134.14 -41396133.84 0.0089 0.0004
 Neptune -118048-06-18 11:03 J -41395440.33 -41395440.04 -41395439.74 0.0089 0.0003
 Neptune -118046-05-13 12:58 J -41394746.25 -41394745.96 -41394745.66 0.0089 0.0010
 Saturn -118045-10-04 08:39 J -41394236.26 -41394236.14 -41394236.00 0.0276 0.0246
 Neptune -118044-04-06 14:53 J -41394052.16 -41394051.88 -41394051.58 0.0089 0.0017

Uranus -118043-11-24 05:46 J -41393455.52 -41393455.26 -41393454.97 0.0148 0.0050
 Neptune -118042-03-01 18:15 J -41393358.02 -41393357.74 -41393357.44 0.0089 0.0024
 Neptune -118040-01-23 22:34 J -41392663.83 -41392663.56 -41392663.27 0.0089 0.0031
 Neptune -118039-12-19 02:53 J -41391969.63 -41391969.38 -41391969.09 0.0089 0.0038
 Neptune -118037-11-12 08:53 J -41391275.37 -41391275.13 -41391274.85 0.0089 0.0044
 Neptune -118035-10-07 15:51 J -41390581.08 -41390580.84 -41390580.58 0.0089 0.0050
 Neptune -118033-08-31 22:05 J -41389886.78 -41389886.58 -41389886.32 0.0089 0.0057
 Neptune -118031-07-27 06:44 J -41389192.43 -41389192.22 -41389192.00 0.0089 0.0062
 Neptune -118029-06-20 16:05 J -41388498.00 -41388497.83 -41388497.61 0.0089 0.0068
 Saturn -118029-08-28 00:58 J -41388429.68 -41388429.46 -41388429.21 0.0285 0.0173
 Neptune -118027-05-16 02:53 J -41387803.54 -41387803.38 -41387803.19 0.0089 0.0073
 Neptune -118025-04-09 13:56 J -41387109.04 -41387108.92 -41387108.75 0.0089 0.0078
 Neptune -118023-03-05 04:20 J -41386414.43 -41386414.32 -41386414.20 0.0089 0.0082
 Neptune -118021-01-28 18:15 J -41385719.77 -41385719.74 -41385719.63 0.0089 0.0087
 Jupiter -118020-07-02 19:41 J -41385198.82 -41385198.68 -41385198.54 0.0498 0.0422
 Saturn -118017-11-20 22:48 J -41383961.80 -41383961.55 -41383961.30 0.0282 0.0150
 Jupiter -118002-05-11 04:05 J -41378677.55 -41378677.33 -41378677.09 0.0527 0.0321
 Saturn -118001-10-13 22:20 J -41378155.70 -41378155.57 -41378155.41 0.0279 0.0239

118TH MILLENNIUM BCE

This is a list of transits of Mars in the 118th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								

TIME

Uranus -118000-03-05 12:00 J -41378013.26 -41378013.00 -41378012.72 0.0131 0.0073

Neptune -117993-08-15 07:12 J -41375293.22 -41375293.20 -41375293.10 0.0088 0.0087

Neptune -117991-07-11 22:05 J -41374597.68 -41374597.58 -41374597.45 0.0088 0.0083

Neptune -117989-06-06 12:44 J -41373902.08 -41373901.97 -41373901.77 0.0088 0.0079

Neptune -117987-05-03 05:32 J -41373206.44 -41373206.27 -41373206.07 0.0088 0.0073

Saturn -117986-01-11 01:27 J -41372953.72 -41372953.44 -41372953.15 0.0278 0.0072

Neptune -117985-03-28 21:51 J -41372510.77 -41372510.59 -41372510.34 0.0088 0.0068

Jupiter -117984-04-05 21:51 J -41372137.85 -41372137.59 -41372137.33 0.0498 0.0022

Neptune -117983-02-22 15:22 J -41371815.08 -41371814.86 -41371814.60 0.0088 0.0061

Neptune -117981-01-19 09:22 J -41371119.34 -41371119.11 -41371118.82 0.0088 0.0055

Neptune -117980-12-15 04:34 J -41370423.56 -41370423.31 -41370423.01 0.0088 0.0049

Neptune -117978-11-11 00:29 J -41369727.75 -41369727.48 -41369727.16 0.0088 0.0042

Neptune -117976-10-06 20:24 J -41369031.94 -41369031.65 -41369031.32 0.0088 0.0034

Neptune -117974-09-02 16:48 J -41368336.10 -41368335.80 -41368335.47 0.0088 0.0027

Neptune -117972-07-29 12:58 J -41367640.28 -41367639.96 -41367639.62 0.0088 0.0019

Saturn -117971-12-03 15:51 J -41367148.13 -41367147.84 -41367147.55 0.0282 0.0025

Neptune -117970-06-25 08:53 J -41366944.45 -41366944.13 -41366943.79 0.0088 0.0012

Neptune -117968-05-21 05:03 J -41366248.63 -41366248.29 -41366247.96 0.0088 0.0004

Jupiter -117966-02-16 03:36 J -41365612.59 -41365612.35 -41365612.09 0.0527 0.0276

Neptune -117966-04-17 00:29 J -41365552.81 -41365552.48 -41365552.14 0.0088 0.0004

Neptune -117964-03-12 19:41 J -41364857.00 -41364856.68 -41364856.34 0.0088 0.0012

Neptune -117962-02-06 14:39 J -41364161.21 -41364160.89 -41364160.55 0.0088 0.0020

Neptune -117960-01-02 08:53 J -41363465.45 -41363465.13 -41363464.81 0.0088 0.0027

Neptune -117959-11-29 00:58 J -41362769.74 -41362769.46 -41362769.13 0.0088 0.0035

Uranus -117958-07-20 14:10 J -41362536.18 -41362535.91 -41362535.63 0.0148 0.0045

Neptune -117957-10-24 17:17 J -41362074.05 -41362073.78 -41362073.46 0.0088 0.0041

Neptune -117955-09-20 08:53 J -41361378.40 -41361378.13 -41361377.85 0.0088 0.0048

Neptune -117953-08-15 22:20 J -41360682.80 -41360682.57 -41360682.29 0.0088 0.0055

Neptune -117951-07-12 11:17 J -41359987.24 -41359987.03 -41359986.76 0.0088 0.0061

Neptune -117949-06-06 22:34 J -41359291.74 -41359291.56 -41359291.31 0.0088 0.0067
 Jupiter -117948-01-07 16:48 J -41359076.97 -41359076.80 -41359076.62 0.0499 0.0364
 Neptune -117947-05-03 08:24 J -41358596.30 -41358596.15 -41358595.92 0.0088 0.0072
 Neptune -117945-03-28 17:17 J -41357900.90 -41357900.78 -41357900.58 0.0088 0.0077
 Neptune -117943-02-22 01:41 J -41357205.54 -41357205.43 -41357205.28 0.0089 0.0081
 Neptune -117941-01-18 07:12 J -41356510.27 -41356510.20 -41356510.09 0.0089 0.0085
 Saturn -117940-01-22 19:27 J -41356139.88 -41356139.69 -41356139.48 0.0286 0.0209
 Neptune -117940-12-13 11:32 J -41355815.02 -41355815.02 -41355814.98 0.0089 0.0089
 Saturn -117928-04-18 00:44 J -41351671.74 -41351671.47 -41351671.20 0.0281 0.0117
 Uranus -117916-10-29 17:03 J -41347094.11 -41347093.79 -41347093.46 0.0131 0.0004
 Neptune -117915-09-05 02:53 J -41346783.43 -41346783.38 -41346783.29 0.0089 0.0086
 Neptune -117913-07-30 11:46 J -41346089.08 -41346089.01 -41346088.86 0.0089 0.0083
 Saturn -117912-03-10 11:46 J -41345866.19 -41345866.01 -41345865.81 0.0279 0.0212
 Neptune -117911-06-24 19:12 J -41345394.80 -41345394.70 -41345394.52 0.0089 0.0079
 Neptune -117909-05-19 01:27 J -41344700.59 -41344700.44 -41344700.27 0.0089 0.0074
 Neptune -117907-04-13 06:44 J -41344006.38 -41344006.22 -41344006.01 0.0089 0.0070
 Neptune -117905-03-07 11:32 J -41343312.20 -41343312.02 -41343311.79 0.0089 0.0065
 Neptune -117903-01-30 14:53 J -41342618.09 -41342617.88 -41342617.64 0.0089 0.0059
 Neptune -117902-12-25 18:29 J -41341923.96 -41341923.73 -41341923.49 0.0089 0.0053
 Neptune -117900-11-18 21:36 J -41341229.85 -41341229.60 -41341229.35 0.0089 0.0048
 Saturn -117898-06-07 21:22 J -41340663.87 -41340663.61 -41340663.33 0.0279 0.0110
 Neptune -117898-10-13 23:17 J -41340535.78 -41340535.53 -41340535.25 0.0089 0.0041
 Neptune -117896-09-07 01:12 J -41339841.71 -41339841.45 -41339841.16 0.0089 0.0035
 Neptune -117894-08-02 03:22 J -41339147.62 -41339147.36 -41339147.06 0.0089 0.0029
 Neptune -117892-06-26 04:20 J -41338453.59 -41338453.32 -41338453.02 0.0089 0.0022
 Neptune -117890-05-21 05:17 J -41337759.57 -41337759.28 -41337758.98 0.0089 0.0015
 Neptune -117888-04-14 06:58 J -41337065.50 -41337065.21 -41337064.91 0.0089 0.0008
 Neptune -117886-03-09 08:24 J -41336371.45 -41336371.15 -41336370.85 0.0089 0.0001
 Neptune -117884-01-31 09:08 J -41335677.41 -41335677.12 -41335676.82 0.0089 0.0006
 Neptune -117883-12-26 11:32 J -41334983.31 -41334983.02 -41334982.72 0.0089 0.0012

Saturn -117882-04-29 18:44 J -41334859.02 -41334858.72 -41334858.43 0.0282 0.0004
 Neptune -117881-11-19 14:24 J -41334289.18 -41334288.90 -41334288.60 0.0089 0.0019
 Neptune -117879-10-14 16:34 J -41333595.08 -41333594.81 -41333594.51 0.0089 0.0026
 Neptune -117877-09-07 19:27 J -41332900.95 -41332900.69 -41332900.39 0.0089 0.0033
 Uranus -117875-04-12 05:03 J -41332319.42 -41332319.29 -41332319.12 0.0148 0.0127
 Neptune -117875-08-03 00:00 J -41332206.76 -41332206.50 -41332206.22 0.0089 0.0039
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 Neptune -117864-12-28 17:17 J -41328040.94 -41328040.78 -41328040.60 0.0089 0.0073
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 Neptune -117142-02-03 21:51 J -41064658.86 -41064658.59 -41064658.27 0.0088 0.0042
 Neptune -117141-12-30 18:00 J -41063963.00 -41063962.75 -41063962.45 0.0088 0.0049
 Neptune -117139-11-26 14:10 J -41063267.16 -41063266.91 -41063266.64 0.0088 0.0055
 Neptune -117137-10-22 09:51 J -41062571.32 -41062571.09 -41062570.84 0.0088 0.0061
 Neptune -117135-09-18 04:20 J -41061875.51 -41061875.32 -41061875.07 0.0088 0.0067
 Neptune -117133-08-13 22:48 J -41061179.72 -41061179.55 -41061179.34 0.0088 0.0072
 Saturn -117133-11-25 10:34 J -41061076.35 -41061076.06 -41061075.76 0.0283 0.0007

Neptune -117131-07-10 15:36 J -41060483.98 -41060483.85 -41060483.65 0.0088 0.0077
 Jupiter -117130-02-23 15:08 J -41060256.14 -41060255.87 -41060255.61 0.0498 0.0009
 Neptune -117129-06-05 07:27 J -41059788.29 -41059788.19 -41059788.02 0.0088 0.0081
 Neptune -117127-05-01 22:05 J -41059092.64 -41059092.58 -41059092.44 0.0088 0.0085
 Neptune -117125-03-27 12:58 J -41058396.97 -41058396.96 -41058396.89 0.0088 0.0088
 Uranus -117119-05-21 10:48 J -41056151.33 -41056151.05 -41056150.75 0.0149 0.0033
 Saturn -117117-10-19 06:58 J -41055269.48 -41055269.21 -41055268.93 0.0278 0.0089
 Jupiter -117113-12-29 17:46 J -41053737.02 -41053736.76 -41053736.49 0.0528 0.0229
 Saturn -117102-01-15 17:46 J -41050067.93 -41050067.76 -41050067.57 0.0280 0.0218
 Neptune -117102-01-28 19:12 J -41050054.73 -41050054.70 -41050054.61 0.0089 0.0087
 Neptune -117101-12-23 14:10 J -41049359.98 -41049359.91 -41049359.78 0.0089 0.0084
 Neptune -117099-11-18 06:58 J -41048665.33 -41048665.21 -41048665.06 0.0089 0.0080
 Neptune -117097-10-12 21:51 J -41047970.72 -41047970.59 -41047970.40 0.0089 0.0076
 Neptune -117095-09-07 12:58 J -41047276.14 -41047275.96 -41047275.78 0.0089 0.0071
 Jupiter -117095-11-27 10:34 J -41047195.21 -41047195.06 -41047194.90 0.0498 0.0398
 Neptune -117093-08-02 00:58 J -41046581.62 -41046581.46 -41046581.22 0.0089 0.0067
 Neptune -117091-06-27 12:44 J -41045887.18 -41045886.97 -41045886.74 0.0089 0.0061
 Neptune -117089-05-21 22:48 J -41045192.77 -41045192.55 -41045192.30 0.0089 0.0056
 Neptune -117087-04-16 08:10 J -41044498.41 -41044498.16 -41044497.91 0.0089 0.0050
 Saturn -117087-12-08 17:03 J -41044262.05 -41044261.79 -41044261.53 0.0281 0.0128
 Neptune -117085-03-10 15:08 J -41043804.13 -41043803.87 -41043803.61 0.0089 0.0044
 Neptune -117083-02-02 21:36 J -41043109.86 -41043109.60 -41043109.32 0.0089 0.0038
 Neptune -117082-12-29 03:22 J -41042415.63 -41042415.36 -41042415.07 0.0089 0.0032
 Neptune -117080-11-22 07:41 J -41041721.46 -41041721.18 -41041720.89 0.0089 0.0025
 Neptune -117078-10-17 11:17 J -41041027.32 -41041027.03 -41041026.73 0.0089 0.0019
 Uranus -117077-08-30 04:48 J -41040709.62 -41040709.30 -41040708.98 0.0130 0.0022
 Neptune -117076-09-10 15:51 J -41040333.14 -41040332.84 -41040332.54 0.0089 0.0012
 Saturn -117074-03-02 18:29 J -41039794.94 -41039794.73 -41039794.52 0.0286 0.0204
 Neptune -117074-08-05 18:00 J -41039639.04 -41039638.75 -41039638.44 0.0089 0.0006
 Neptune -117072-06-29 19:41 J -41038944.98 -41038944.68 -41038944.38 0.0089 0.0001

Neptune -117070-05-24 21:22 J -41038250.90 -41038250.61 -41038250.31 0.0089 0.0008
 Neptune -117068-04-17 22:48 J -41037556.84 -41037556.55 -41037556.25 0.0089 0.0014
 Neptune -117066-03-12 22:48 J -41036862.83 -41036862.55 -41036862.25 0.0089 0.0021
 Neptune -117064-02-03 23:46 J -41036168.78 -41036168.51 -41036168.21 0.0089 0.0027
 Neptune -117063-12-30 01:12 J -41035474.72 -41035474.45 -41035474.17 0.0089 0.0033
 Neptune -117061-11-23 01:56 J -41034780.68 -41034780.42 -41034780.15 0.0089 0.0039
 Neptune -117059-10-18 03:08 J -41034086.62 -41034086.37 -41034086.11 0.0089 0.0045
 Saturn -117058-01-26 06:44 J -41033986.31 -41033986.22 -41033986.10 0.0275 0.0256
 Neptune -117057-09-11 04:34 J -41033392.53 -41033392.31 -41033392.05 0.0089 0.0051
 Neptune -117055-08-06 06:00 J -41032698.47 -41032698.25 -41032698.01 0.0089 0.0056
 Neptune -117053-06-30 07:27 J -41032004.40 -41032004.19 -41032003.97 0.0089 0.0061
 Neptune -117051-05-25 10:05 J -41031310.26 -41031310.08 -41031309.86 0.0089 0.0066
 Neptune -117049-04-18 12:29 J -41030616.13 -41030615.98 -41030615.77 0.0089 0.0071
 Neptune -117047-03-13 15:36 J -41029921.99 -41029921.85 -41029921.67 0.0089 0.0075
 Neptune -117045-02-05 20:24 J -41029227.76 -41029227.65 -41029227.49 0.0089 0.0079
 Saturn -117044-04-22 17:32 J -41028786.06 -41028785.77 -41028785.47 0.0283 0.0037
 Neptune -117044-12-31 02:53 J -41028533.48 -41028533.38 -41028533.25 0.0089 0.0082
 Neptune -117042-11-25 08:39 J -41027839.21 -41027839.14 -41027839.04 0.0089 0.0085
 Neptune -117040-10-19 15:36 J -41027144.86 -41027144.85 -41027144.77 0.0089 0.0088
 Uranus -117034-01-15 06:44 J -41025231.47 -41025231.22 -41025230.96 0.0149 0.0072
 Saturn -117028-03-15 22:48 J -41022979.83 -41022979.55 -41022979.26 0.0278 0.0057
 Neptune -117021-10-25 16:34 J -41020198.85 -41020198.81 -41020198.74 0.0088 0.0087
 Neptune -117019-09-20 15:08 J -41019503.93 -41019503.87 -41019503.74 0.0088 0.0085
 Neptune -117017-08-15 15:36 J -41018808.97 -41018808.85 -41018808.71 0.0088 0.0081
 Neptune -117015-07-11 17:32 J -41018113.92 -41018113.77 -41018113.60 0.0088 0.0077
 Saturn -117014-06-12 21:22 J -41017777.72 -41017777.61 -41017777.46 0.0279 0.0249
 Neptune -117013-06-05 21:08 J -41017418.79 -41017418.62 -41017418.43 0.0088 0.0073
 Jupiter -117012-08-14 20:39 J -41016983.84 -41016983.64 -41016983.42 0.0498 0.0301
 Neptune -117011-05-02 01:41 J -41016723.61 -41016723.43 -41016723.20 0.0088 0.0069
 Neptune -117009-03-27 07:56 J -41016028.37 -41016028.17 -41016027.92 0.0088 0.0064

Neptune -117007-02-20 15:51 J -41015333.05 -41015332.84 -41015332.56 0.0088 0.0059
 Neptune -117005-01-17 01:27 J -41014637.67 -41014637.44 -41014637.15 0.0088 0.0053
 Neptune -117004-12-12 12:00 J -41013942.25 -41013942.00 -41013941.69 0.0088 0.0047
 Neptune -117002-11-08 00:44 J -41013246.75 -41013246.47 -41013246.16 0.0088 0.0040

117TH MILLENNIUM BCE

This is a list of transits of Mars in the 117th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-117000-10-03 13:56 J	-41012551.20	-41012550.92	-41012550.59	0.0088	0.0033		
Saturn	-116998-05-05 11:32 J	-41011972.26	-41011972.02	-41011971.77	0.0282	0.0158		
Neptune	-116998-08-30 04:34 J	-41011855.61	-41011855.31	-41011854.98	0.0088	0.0026		
Neptune	-116996-07-25 20:39 J	-41011159.95	-41011159.64	-41011159.30	0.0088	0.0019		
Jupiter	-116994-06-16 18:15 J	-41010468.99	-41010468.74	-41010468.48	0.0528	0.0250		
Neptune	-116994-06-21 14:10 J	-41010464.23	-41010463.91	-41010463.57	0.0088	0.0012		
Uranus	-116992-04-25 12:15 J	-41009790.26	-41009789.99	-41009789.68	0.0130	0.0058		
Neptune	-116992-05-17 08:24 J	-41009768.48	-41009768.15	-41009767.82	0.0088	0.0004		
Neptune	-116990-04-13 02:53 J	-41009072.71	-41009072.38	-41009072.04	0.0088	0.0003		
Neptune	-116988-03-08 22:05 J	-41008376.91	-41008376.58	-41008376.24	0.0088	0.0010		
Neptune	-116986-02-02 17:32 J	-41007681.09	-41007680.77	-41007680.44	0.0088	0.0017		
Saturn	-116986-07-28 22:48 J	-41007504.78	-41007504.55	-41007504.29	0.0286	0.0159		
Neptune	-116985-12-29 13:56 J	-41006985.24	-41006984.92	-41006984.60	0.0088	0.0025		

Neptune -116983-11-25 10:05 J -41006289.37 -41006289.08 -41006288.75 0.0088 0.0032
 Neptune -116981-10-21 06:44 J -41005593.49 -41005593.22 -41005592.89 0.0088 0.0040
 Neptune -116979-09-17 04:05 J -41004897.61 -41004897.33 -41004897.04 0.0088 0.0046
 Neptune -116977-08-13 00:15 J -41004201.74 -41004201.49 -41004201.20 0.0088 0.0053
 Jupiter -116976-05-18 16:48 J -41003923.05 -41003922.80 -41003922.54 0.0498 0.0099
 Neptune -116975-07-09 19:56 J -41003505.89 -41003505.67 -41003505.39 0.0088 0.0059
 Neptune -116973-06-04 15:08 J -41002810.06 -41002809.87 -41002809.60 0.0088 0.0065
 Neptune -116971-05-01 11:03 J -41002114.23 -41002114.04 -41002113.82 0.0088 0.0070
 Saturn -116970-06-22 13:27 J -41001697.09 -41001696.94 -41001696.78 0.0275 0.0229
 Neptune -116969-03-27 05:46 J -41001418.43 -41001418.26 -41001418.07 0.0088 0.0075
 Neptune -116967-02-20 23:46 J -41000722.62 -41000722.51 -41000722.33 0.0088 0.0080
 Neptune -116965-01-17 17:32 J -41000026.85 -41000026.77 -41000026.64 0.0088 0.0084
 Neptune -116964-12-13 09:08 J -40999331.13 -40999331.12 -40999331.03 0.0088 0.0088
 Jupiter -116958-03-24 18:44 J -40997403.92 -40997403.72 -40997403.50 0.0527 0.0363
 Saturn -116956-09-17 15:08 J -40996496.16 -40996495.87 -40996495.58 0.0282 0.0067
 Uranus -116952-10-07 10:20 J -40995015.25 -40995015.07 -40995014.86 0.0149 0.0110
 Pluto -116950-12-19 02:10 J -40994212.67 -40994212.41 -40994212.12 0.0064 0.0028
 Saturn -116940-08-10 06:58 J -40990690.50 -40990690.21 -40990689.92 0.0279 0.0030
 Neptune -116939-09-12 00:44 J -40990292.50 -40990292.47 -40990292.37 0.0089 0.0087
 Neptune -116937-08-06 20:24 J -40989597.74 -40989597.65 -40989597.52 0.0089 0.0083
 Neptune -116935-07-02 15:36 J -40988902.98 -40988902.85 -40988902.70 0.0089 0.0079
 Neptune -116933-05-27 08:24 J -40988208.29 -40988208.15 -40988207.96 0.0089 0.0075
 Neptune -116931-04-21 23:32 J -40987513.69 -40987513.52 -40987513.31 0.0089 0.0070
 Neptune -116929-03-16 13:41 J -40986819.12 -40986818.93 -40986818.70 0.0089 0.0065
 Neptune -116927-02-09 02:10 J -40986124.61 -40986124.41 -40986124.15 0.0089 0.0060
 Neptune -116925-01-04 12:58 J -40985430.18 -40985429.96 -40985429.70 0.0089 0.0054
 Neptune -116924-11-28 22:48 J -40984735.79 -40984735.55 -40984735.28 0.0089 0.0048
 Neptune -116922-10-24 08:10 J -40984041.41 -40984041.16 -40984040.87 0.0089 0.0042
 Neptune -116920-09-17 15:22 J -40983347.11 -40983346.86 -40983346.56 0.0089 0.0036
 Neptune -116918-08-12 22:34 J -40982652.83 -40982652.56 -40982652.26 0.0089 0.0029

Neptune -116916-07-07 05:03 J -40981958.58 -40981958.29 -40981957.99 0.0089 0.0022
 Neptune -116914-06-01 09:22 J -40981264.39 -40981264.11 -40981263.80 0.0089 0.0016
 Neptune -116912-04-25 12:29 J -40980570.27 -40980569.98 -40980569.67 0.0089 0.0009
 Neptune -116910-03-20 16:05 J -40979876.12 -40979875.83 -40979875.53 0.0089 0.0003
 Saturn -116910-09-29 07:41 J -40979683.39 -40979683.18 -40979682.95 0.0282 0.0180
 Uranus -116909-01-17 14:10 J -40979573.17 -40979572.91 -40979572.63 0.0130 0.0070
 Neptune -116908-02-11 18:44 J -40979182.02 -40979181.72 -40979181.42 0.0089 0.0004
 Neptune -116906-01-06 19:41 J -40978487.97 -40978487.68 -40978487.38 0.0089 0.0011
 Neptune -116905-11-30 21:08 J -40977793.90 -40977793.62 -40977793.31 0.0089 0.0018
 Neptune -116903-10-25 23:17 J -40977099.81 -40977099.53 -40977099.24 0.0089 0.0024
 Neptune -116901-09-18 23:46 J -40976405.77 -40976405.51 -40976405.21 0.0089 0.0031
 Neptune -116899-08-14 00:15 J -40975711.74 -40975711.49 -40975711.20 0.0089 0.0037
 Saturn -116898-12-23 07:56 J -40975215.42 -40975215.17 -40975214.89 0.0285 0.0135
 Neptune -116897-07-08 01:27 J -40975017.68 -40975017.44 -40975017.16 0.0089 0.0043
 Neptune -116895-06-02 01:41 J -40974323.66 -40974323.43 -40974323.16 0.0089 0.0049
 Neptune -116893-04-26 02:24 J -40973629.62 -40973629.40 -40973629.15 0.0089 0.0054
 Neptune -116891-03-21 03:22 J -40972935.54 -40972935.36 -40972935.10 0.0089 0.0060
 Neptune -116889-02-13 05:03 J -40972241.46 -40972241.29 -40972241.05 0.0089 0.0065
 Neptune -116887-01-07 06:58 J -40971547.38 -40971547.21 -40971547.01 0.0089 0.0069
 Neptune -116886-12-02 10:48 J -40970853.21 -40970853.05 -40970852.88 0.0089 0.0073
 Neptune -116884-10-26 13:56 J -40970159.05 -40970158.92 -40970158.76 0.0089 0.0077
 Neptune -116882-09-20 16:48 J -40969464.90 -40969464.80 -40969464.66 0.0089 0.0081
 Saturn -116882-11-16 10:05 J -40969408.26 -40969408.08 -40969407.89 0.0276 0.0208
 Neptune -116880-08-14 21:22 J -40968770.69 -40968770.61 -40968770.50 0.0089 0.0084
 Neptune -116878-07-10 02:53 J -40968076.41 -40968076.38 -40968076.29 0.0089 0.0087
 Saturn -116867-02-11 20:53 J -40964206.90 -40964206.63 -40964206.35 0.0282 0.0099
 Uranus -116867-06-02 21:22 J -40964095.90 -40964095.61 -40964095.31 0.0149 0.0013
 Neptune -116859-07-15 00:44 J -40961131.47 -40961131.47 -40961131.43 0.0089 0.0088
 Jupiter -116858-11-08 06:58 J -40960650.45 -40960650.21 -40960649.97 0.0498 0.0189
 Neptune -116857-06-08 19:56 J -40960436.73 -40960436.67 -40960436.59 0.0088 0.0086

Neptune -116855-05-04 17:17 J -40959741.88 -40959741.78 -40959741.67 0.0088 0.0083
 Neptune -116853-03-29 16:19 J -40959046.92 -40959046.82 -40959046.65 0.0088 0.0080
 Saturn -116851-01-03 16:19 J -40958402.11 -40958401.82 -40958401.53 0.0278 0.0017
 Neptune -116851-02-22 17:03 J -40958351.93 -40958351.79 -40958351.60 0.0088 0.0076
 Neptune -116849-01-18 19:12 J -40957656.89 -40957656.70 -40957656.51 0.0088 0.0071
 Neptune -116848-12-13 22:19 J -40956961.75 -40956961.57 -40956961.32 0.0088 0.0067
 Neptune -116846-11-09 03:07 J -40956266.57 -40956266.37 -40956266.11 0.0088 0.0061
 Neptune -116844-10-04 09:36 J -40955571.33 -40955571.10 -40955570.83 0.0088 0.0056
 Neptune -116842-08-30 17:46 J -40954876.01 -40954875.76 -40954875.47 0.0088 0.0050
 Neptune -116840-07-26 03:36 J -40954180.61 -40954180.35 -40954180.04 0.0088 0.0044
 Jupiter -116840-09-09 21:51 J -40954134.88 -40954134.59 -40954134.31 0.0527 0.0068
 Neptune -116838-06-21 15:07 J -40953485.16 -40953484.87 -40953484.56 0.0088 0.0037
 Neptune -116836-05-17 03:51 J -40952789.64 -40952789.34 -40952789.02 0.0088 0.0030
 Neptune -116834-04-12 17:31 J -40952094.09 -40952093.77 -40952093.45 0.0088 0.0023
 Neptune -116832-03-08 07:41 J -40951398.50 -40951398.18 -40951397.85 0.0088 0.0016
 Neptune -116830-02-01 23:17 J -40950702.85 -40950702.53 -40950702.19 0.0088 0.0008
 Neptune -116829-12-28 16:34 J -40950007.14 -40950006.81 -40950006.48 0.0088 0.0001
 Neptune -116827-11-24 10:34 J -40949311.39 -40949311.06 -40949310.73 0.0088 0.0007
 Uranus -116825-09-11 18:58 J -40948654.03 -40948653.71 -40948653.38 0.0130 0.0009
 Neptune -116825-10-20 05:03 J -40948615.61 -40948615.29 -40948614.95 0.0088 0.0014
 Neptune -116823-09-16 00:29 J -40947919.79 -40947919.48 -40947919.15 0.0088 0.0022
 Jupiter -116822-08-12 19:55 J -40947588.89 -40947588.67 -40947588.44 0.0498 0.0247
 Saturn -116821-02-22 15:07 J -40947395.07 -40947394.87 -40947394.64 0.0282 0.0194
 Neptune -116821-08-11 20:24 J -40947223.96 -40947223.65 -40947223.33 0.0088 0.0029
 Neptune -116819-07-08 16:05 J -40946528.11 -40946527.83 -40946527.50 0.0088 0.0037
 Neptune -116817-06-03 12:43 J -40945832.24 -40945831.97 -40945831.65 0.0088 0.0043
 Neptune -116815-04-30 09:51 J -40945136.36 -40945136.09 -40945135.80 0.0088 0.0050
 Neptune -116813-03-26 06:15 J -40944440.47 -40944440.24 -40944439.95 0.0088 0.0057
 Neptune -116811-02-20 02:53 J -40943744.58 -40943744.38 -40943744.11 0.0088 0.0063
 Neptune -116809-01-16 23:03 J -40943048.71 -40943048.54 -40943048.29 0.0088 0.0069

Saturn -116809-05-17 21:22 J -40942926.87 -40942926.61 -40942926.32 0.0286 0.0113
 Neptune -116808-12-12 18:58 J -40942352.86 -40942352.71 -40942352.49 0.0088 0.0074
 Neptune -116806-11-08 14:24 J -40941657.02 -40941656.90 -40941656.71 0.0088 0.0079
 Neptune -116804-10-04 09:51 J -40940961.19 -40940961.09 -40940960.97 0.0088 0.0083
 Neptune -116802-08-31 04:05 J -40940265.38 -40940265.33 -40940265.27 0.0088 0.0087
 Saturn -116793-04-10 09:22 J -40937120.30 -40937120.11 -40937119.90 0.0275 0.0201
 Uranus -116782-01-27 07:41 J -40933176.42 -40933176.18 -40933175.94 0.0148 0.0086
 Saturn -116779-07-07 21:36 J -40931918.87 -40931918.60 -40931918.32 0.0283 0.0105
 Neptune -116775-04-26 06:43 J -40930530.25 -40930530.22 -40930530.13 0.0089 0.0087
 Neptune -116773-03-21 04:05 J -40929835.41 -40929835.33 -40929835.19 0.0089 0.0083
 Neptune -116771-02-13 23:03 J -40929140.64 -40929140.54 -40929140.35 0.0089 0.0079
 Neptune -116769-01-09 17:46 J -40928445.91 -40928445.76 -40928445.57 0.0089 0.0074
 Neptune -116768-12-04 11:03 J -40927751.22 -40927751.04 -40927750.83 0.0089 0.0069
 Neptune -116766-10-30 01:12 J -40927056.63 -40927056.45 -40927056.20 0.0089 0.0064
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 Neptune -116404-04-14 07:55 J -40795034.35 -40795034.17 -40795033.92 0.0089 0.0060
 Neptune -116402-03-09 08:24 J -40794340.33 -40794340.15 -40794339.93 0.0089 0.0065
 Neptune -116400-01-31 08:53 J -40793646.29 -40793646.13 -40793645.92 0.0089 0.0070
 Neptune -116399-12-26 10:19 J -40792952.19 -40792952.07 -40792951.87 0.0089 0.0075
 Neptune -116397-11-19 11:46 J -40792258.13 -40792258.01 -40792257.86 0.0089 0.0079
 Jupiter -116395-07-23 18:58 J -40791646.91 -40791646.71 -40791646.50 0.0497 0.0311
 Neptune -116395-10-14 12:43 J -40791564.05 -40791563.97 -40791563.84 0.0089 0.0083
 Neptune -116393-09-07 14:24 J -40790869.93 -40790869.90 -40790869.80 0.0089 0.0087
 Saturn -116379-02-21 03:51 J -40785955.53 -40785955.34 -40785955.14 0.0279 0.0206
 Saturn -116367-05-15 08:10 J -40781489.43 -40781489.16 -40781488.88 0.0288 0.0119
 Neptune -116366-04-20 03:22 J -40781149.40 -40781149.36 -40781149.25 0.0088 0.0086
 Pluto -116366-12-31 16:34 J -40780894.10 -40780893.81 -40780893.50 0.0080 0.0035

Neptune -116364-03-14 20:24 J -40780454.74 -40780454.65 -40780454.50 0.0088 0.0082
 Uranus -116363-06-28 08:24 J -40779984.43 -40779984.15 -40779983.86 0.0148 0.0042
 Neptune -116362-02-07 15:07 J -40779759.99 -40779759.87 -40779759.68 0.0088 0.0078
 Neptune -116360-01-02 11:17 J -40779065.18 -40779065.03 -40779064.82 0.0088 0.0073
 Neptune -116359-11-28 08:10 J -40778370.33 -40778370.16 -40778369.93 0.0088 0.0068
 Neptune -116357-10-23 07:27 J -40777675.40 -40777675.19 -40777674.95 0.0088 0.0062
 Neptune -116355-09-18 08:39 J -40776980.37 -40776980.14 -40776979.88 0.0088 0.0056
 Neptune -116353-08-13 10:48 J -40776285.29 -40776285.05 -40776284.76 0.0088 0.0050
 Saturn -116351-04-11 00:29 J -40775679.69 -40775679.48 -40775679.24 0.0274 0.0167
 Neptune -116351-07-09 14:53 J -40775590.15 -40775589.88 -40775589.59 0.0088 0.0043
 Neptune -116349-06-03 21:07 J -40774894.91 -40774894.62 -40774894.31 0.0088 0.0036
 Neptune -116347-04-30 04:19 J -40774199.62 -40774199.32 -40774199.01 0.0088 0.0029
 Neptune -116345-03-25 12:29 J -40773504.29 -40773503.98 -40773503.65 0.0088 0.0021
 Neptune -116343-02-18 22:48 J -40772808.87 -40772808.55 -40772808.22 0.0088 0.0013
 Neptune -116341-01-15 10:19 J -40772113.39 -40772113.07 -40772112.73 0.0088 0.0007
 Neptune -116340-12-10 23:17 J -40771417.86 -40771417.53 -40771417.20 0.0088 0.0002
 Neptune -116338-11-06 13:12 J -40770722.27 -40770721.95 -40770721.61 0.0088 0.0011
 Saturn -116337-07-05 09:36 J -40770480.36 -40770480.10 -40770479.82 0.0284 0.0111
 Neptune -116336-10-02 04:19 J -40770026.63 -40770026.32 -40770025.98 0.0088 0.0018
 Neptune -116334-08-28 20:24 J -40769330.96 -40769330.65 -40769330.32 0.0088 0.0026
 Neptune -116332-07-24 13:41 J -40768635.22 -40768634.93 -40768634.60 0.0088 0.0034
 Neptune -116330-06-20 07:55 J -40767939.44 -40767939.17 -40767938.85 0.0088 0.0041
 Neptune -116328-05-16 02:53 J -40767243.63 -40767243.38 -40767243.07 0.0088 0.0049
 Neptune -116326-04-11 22:19 J -40766547.80 -40766547.57 -40766547.29 0.0088 0.0056
 Neptune -116324-03-07 18:15 J -40765851.95 -40765851.74 -40765851.48 0.0088 0.0063
 Neptune -116322-02-01 14:24 J -40765156.09 -40765155.90 -40765155.67 0.0088 0.0069
 Saturn -116321-05-29 15:22 J -40764673.14 -40764672.86 -40764672.57 0.0276 0.0026
 Uranus -116321-10-06 08:39 J -40764543.40 -40764543.14 -40764542.83 0.0131 0.0065
 Neptune -116321-12-28 11:17 J -40764460.19 -40764460.03 -40764459.84 0.0088 0.0075
 Neptune -116319-11-24 07:55 J -40763764.28 -40763764.17 -40763764.01 0.0088 0.0081

Neptune -116317-10-20 05:17 J -40763068.35 -40763068.28 -40763068.19 0.0088 0.0086
 Jupiter -116312-04-10 01:55 J -40761435.57 -40761435.42 -40761435.27 0.0497 0.0406
 Jupiter -116294-02-04 19:41 J -40754925.83 -40754925.68 -40754925.53 0.0528 0.0450
 Saturn -116291-07-18 18:00 J -40753665.89 -40753665.75 -40753665.58 0.0280 0.0237
 Neptune -116282-01-30 00:29 J -40750548.54 -40750548.48 -40750548.34 0.0089 0.0085
 Neptune -116281-12-25 00:58 J -40749853.59 -40749853.46 -40749853.30 0.0089 0.0079
 Uranus -116280-03-20 05:46 J -40749768.30 -40749768.26 -40749768.17 0.0148 0.0145
 Saturn -116279-10-09 22:19 J -40749199.86 -40749199.57 -40749199.29 0.0287 0.0095
 Neptune -116279-11-19 22:48 J -40749158.69 -40749158.55 -40749158.34 0.0089 0.0074
 Uranus -116278-02-21 11:46 J -40749065.10 -40749065.01 -40749064.87 0.0148 0.0136
 Neptune -116277-10-14 20:24 J -40748463.82 -40748463.65 -40748463.42 0.0089 0.0068
 Jupiter -116276-01-12 06:43 J -40748374.49 -40748374.22 -40748373.96 0.0497 0.0024
 Neptune -116275-09-09 16:19 J -40747769.04 -40747768.82 -40747768.59 0.0089 0.0061
 Neptune -116273-08-04 09:22 J -40747074.32 -40747074.11 -40747073.83 0.0089 0.0055
 Neptune -116271-06-30 02:53 J -40746379.62 -40746379.38 -40746379.10 0.0089 0.0048
 Neptune -116269-05-24 18:29 J -40745684.99 -40745684.73 -40745684.45 0.0089 0.0041
 Neptune -116267-04-19 07:12 J -40744990.47 -40744990.20 -40744989.90 0.0089 0.0034
 Neptune -116265-03-13 19:12 J -40744295.97 -40744295.70 -40744295.38 0.0089 0.0027
 Neptune -116263-02-06 06:43 J -40743601.51 -40743601.22 -40743600.92 0.0089 0.0019
 Saturn -116263-09-05 21:36 J -40743389.83 -40743389.60 -40743389.34 0.0274 0.0141
 Neptune -116261-01-01 15:36 J -40742907.14 -40742906.85 -40742906.54 0.0089 0.0012
 Neptune -116260-11-25 23:31 J -40742212.82 -40742212.52 -40742212.21 0.0089 0.0004
 Jupiter -116259-11-12 13:55 J -40741861.19 -40741860.92 -40741860.64 0.0528 0.0176
 Neptune -116258-10-21 07:27 J -40741518.49 -40741518.19 -40741517.88 0.0089 0.0003
 Neptune -116256-09-14 13:55 J -40740824.22 -40740823.92 -40740823.62 0.0089 0.0010
 Neptune -116254-08-09 18:43 J -40740130.00 -40740129.72 -40740129.41 0.0089 0.0018
 Neptune -116252-07-03 23:31 J -40739435.80 -40739435.52 -40739435.22 0.0089 0.0025
 Neptune -116250-05-29 03:07 J -40738741.64 -40738741.37 -40738741.08 0.0089 0.0032
 Saturn -116249-11-30 00:00 J -40738190.75 -40738190.50 -40738190.24 0.0284 0.0141
 Neptune -116248-04-22 05:03 J -40738047.53 -40738047.29 -40738047.00 0.0089 0.0039

Neptune -116246-03-17 07:41 J -40737353.42 -40737353.18 -40737352.91 0.0089 0.0046
 Neptune -116244-02-08 10:19 J -40736659.31 -40736659.07 -40736658.83 0.0089 0.0052
 Neptune -116242-01-03 10:34 J -40735965.26 -40735965.06 -40735964.81 0.0089 0.0058
 Jupiter -116241-10-16 05:31 J -40735313.39 -40735313.27 -40735313.15 0.0498 0.0436
 Neptune -116241-11-27 12:29 J -40735271.18 -40735270.98 -40735270.77 0.0089 0.0063
 Neptune -116239-10-22 13:55 J -40734577.07 -40734576.92 -40734576.70 0.0089 0.0069
 Uranus -116238-06-30 04:05 J -40734326.61 -40734326.33 -40734326.06 0.0131 0.0069
 Neptune -116237-09-15 14:53 J -40733883.02 -40733882.88 -40733882.69 0.0089 0.0074
 Neptune -116235-08-10 14:53 J -40733188.98 -40733188.88 -40733188.70 0.0089 0.0079
 Neptune -116233-07-04 16:34 J -40732494.88 -40732494.81 -40732494.67 0.0089 0.0083
 Saturn -116233-10-24 11:46 J -40732383.29 -40732383.01 -40732382.73 0.0277 0.0058
 Neptune -116231-05-29 17:17 J -40731800.81 -40731800.78 -40731800.68 0.0089 0.0087
 Pluto -116205-10-13 22:05 J -40722166.72 -40722166.58 -40722166.39 0.0064 0.0054
 Neptune -116203-12-02 19:55 J -40721386.72 -40721386.67 -40721386.57 0.0089 0.0086
 Saturn -116203-12-13 22:48 J -40721375.61 -40721375.55 -40721375.44 0.0280 0.0267
 Neptune -116201-10-27 12:00 J -40720692.09 -40720692.00 -40720691.85 0.0088 0.0082
 Neptune -116199-09-22 05:17 J -40719997.42 -40719997.28 -40719997.12 0.0088 0.0077
 Neptune -116197-08-16 23:46 J -40719302.67 -40719302.51 -40719302.31 0.0088 0.0072
 Uranus -116196-11-13 16:48 J -40718849.08 -40718848.80 -40718848.52 0.0148 0.0045
 Neptune -116195-07-12 20:10 J -40718607.84 -40718607.66 -40718607.43 0.0088 0.0067
 Neptune -116193-06-06 17:46 J -40717912.97 -40717912.76 -40717912.51 0.0088 0.0061
 Neptune -116191-05-02 17:03 J -40717218.01 -40717217.79 -40717217.51 0.0088 0.0055
 Saturn -116190-03-07 00:58 J -40716909.75 -40716909.46 -40716909.16 0.0287 0.0054
 Neptune -116189-03-27 18:58 J -40716522.97 -40716522.71 -40716522.43 0.0088 0.0048
 Neptune -116187-02-20 21:07 J -40715827.87 -40715827.62 -40715827.30 0.0088 0.0042
 Neptune -116185-01-17 01:12 J -40715132.73 -40715132.45 -40715132.14 0.0088 0.0034
 Neptune -116184-12-12 06:58 J -40714437.50 -40714437.21 -40714436.88 0.0088 0.0026
 Neptune -116182-11-07 14:10 J -40713742.22 -40713741.91 -40713741.58 0.0088 0.0019
 Neptune -116180-10-02 22:19 J -40713046.88 -40713046.57 -40713046.23 0.0088 0.0012
 Neptune -116178-08-29 08:53 J -40712351.46 -40712351.13 -40712350.80 0.0088 0.0003

Neptune -116176-07-24 20:53 J -40711655.95 -40711655.63 -40711655.30 0.0088 0.0006
 Saturn -116174-01-31 17:46 J -40711100.02 -40711099.76 -40711099.49 0.0275 0.0109
 Neptune -116174-06-20 10:05 J -40710960.39 -40710960.08 -40710959.74 0.0088 0.0014
 Neptune -116172-05-16 00:43 J -40710264.79 -40710264.47 -40710264.15 0.0088 0.0022
 Neptune -116170-04-11 16:05 J -40709569.13 -40709568.83 -40709568.51 0.0088 0.0029
 Neptune -116168-03-07 07:55 J -40708873.45 -40708873.17 -40708872.85 0.0088 0.0037
 Neptune -116166-02-01 00:58 J -40708177.72 -40708177.46 -40708177.14 0.0088 0.0045
 Neptune -116165-12-27 19:41 J -40707481.92 -40707481.68 -40707481.39 0.0088 0.0053
 Neptune -116163-11-23 15:22 J -40706786.09 -40706785.86 -40706785.60 0.0088 0.0060
 Neptune -116161-10-19 11:03 J -40706090.24 -40706090.04 -40706089.80 0.0088 0.0067
 Saturn -116160-04-27 06:15 J -40705900.46 -40705900.24 -40705900.00 0.0283 0.0173
 Neptune -116159-09-15 06:58 J -40705394.36 -40705394.21 -40705393.99 0.0088 0.0074
 Jupiter -116158-07-04 10:34 J -40705102.28 -40705102.06 -40705101.85 0.0497 0.0288
 Neptune -116157-08-11 03:22 J -40704698.47 -40704698.36 -40704698.18 0.0088 0.0080
 Neptune -116155-07-08 00:15 J -40704002.57 -40704002.49 -40704002.38 0.0088 0.0085
 Uranus -116153-02-23 02:39 J -40703407.71 -40703407.39 -40703407.06 0.0131 0.0007
 Saturn -116144-03-21 14:24 J -40700093.17 -40700092.90 -40700092.62 0.0277 0.0090
 Jupiter -116140-04-29 13:41 J -40698593.15 -40698592.93 -40698592.69 0.0528 0.0322
 Saturn -116132-06-10 11:03 J -40695629.15 -40695629.04 -40695628.89 0.0290 0.0260
 Jupiter -116122-04-07 07:12 J -40692041.45 -40692041.20 -40692040.94 0.0498 0.0123
 Neptune -116119-09-13 08:53 J -40690786.20 -40690786.13 -40690786.02 0.0089 0.0085
 Pluto -116117-04-08 14:39 J -40690213.18 -40690212.89 -40690212.55 0.0080 0.0027
 Neptune -116117-08-08 10:19 J -40690091.17 -40690091.07 -40690090.90 0.0089 0.0080
 Saturn -116116-05-10 06:43 J -40689816.28 -40689816.22 -40689816.15 0.0272 0.0264
 Neptune -116115-07-04 10:48 J -40689396.20 -40689396.05 -40689395.85 0.0089 0.0074
 Neptune -116113-05-29 08:53 J -40688701.30 -40688701.13 -40688700.89 0.0089 0.0068
 Neptune -116111-04-24 06:29 J -40688006.44 -40688006.23 -40688005.99 0.0089 0.0061
 Uranus -116111-07-10 08:53 J -40687929.39 -40687929.13 -40687928.84 0.0148 0.0058
 Neptune -116109-03-19 01:55 J -40687311.65 -40687311.42 -40687311.16 0.0089 0.0054
 Neptune -116107-02-11 18:58 J -40686616.96 -40686616.71 -40686616.43 0.0089 0.0047

Neptune -116105-01-07 10:34 J -40685922.31 -40685922.06 -40685921.76 0.0089 0.0040
 Jupiter -116104-02-04 07:41 J -40685528.42 -40685528.18 -40685527.94 0.0528 0.0299
 Neptune -116104-12-02 02:24 J -40685227.68 -40685227.40 -40685227.11 0.0089 0.0032
 Saturn -116102-08-02 08:24 J -40684619.45 -40684619.15 -40684618.85 0.0286 0.0018
 Neptune -116102-10-27 14:53 J -40684533.16 -40684532.88 -40684532.57 0.0089 0.0025
 Neptune -116100-09-21 03:07 J -40683838.66 -40683838.37 -40683838.06 0.0089 0.0017
 Neptune -116098-08-16 14:53 J -40683144.18 -40683143.88 -40683143.58 0.0089 0.0009
 Neptune -116096-07-11 00:29 J -40682449.78 -40682449.48 -40682449.17 0.0089 0.0002
 Neptune -116094-06-05 08:10 J -40681755.46 -40681755.16 -40681754.86 0.0089 0.0006
 Neptune -116092-04-29 15:36 J -40681061.15 -40681060.85 -40681060.55 0.0089 0.0014
 Neptune -116090-03-24 21:36 J -40680366.88 -40680366.60 -40680366.30 0.0089 0.0021
 Neptune -116088-02-16 02:10 J -40679672.69 -40679672.41 -40679672.12 0.0089 0.0028
 Neptune -116086-01-11 06:29 J -40678978.50 -40678978.23 -40678977.95 0.0089 0.0036
 Saturn -116086-06-28 13:12 J -40678810.22 -40678809.95 -40678809.67 0.0275 0.0078
 Neptune -116085-12-05 10:19 J -40678284.32 -40678284.07 -40678283.80 0.0089 0.0043
 Neptune -116083-10-30 12:58 J -40677590.20 -40677589.96 -40677589.70 0.0089 0.0049
 Neptune -116081-09-23 15:36 J -40676896.08 -40676895.85 -40676895.61 0.0089 0.0056
 Neptune -116079-08-18 18:00 J -40676201.95 -40676201.75 -40676201.52 0.0089 0.0062
 Neptune -116077-07-12 18:58 J -40675507.89 -40675507.71 -40675507.51 0.0089 0.0067
 Neptune -116075-06-06 19:12 J -40674813.84 -40674813.70 -40674813.50 0.0089 0.0073
 Neptune -116073-04-30 20:24 J -40674119.76 -40674119.65 -40674119.48 0.0089 0.0078
 Saturn -116072-09-22 09:22 J -40673610.29 -40673610.11 -40673609.91 0.0283 0.0216
 Neptune -116071-03-25 21:07 J -40673425.69 -40673425.62 -40673425.47 0.0089 0.0083
 Uranus -116071-11-15 22:34 J -40673190.62 -40673190.56 -40673190.44 0.0131 0.0126
 Neptune -116069-02-17 21:22 J -40672731.64 -40672731.61 -40672731.52 0.0089 0.0087
 Uranus -116069-10-18 01:12 J -40672488.67 -40672488.45 -40672488.17 0.0131 0.0085
 Saturn -116056-08-16 00:29 J -40667803.73 -40667803.48 -40667803.21 0.0278 0.0119
 Saturn -116044-11-05 13:27 J -40663339.12 -40663338.94 -40663338.74 0.0289 0.0226
 Neptune -116039-07-17 14:24 J -40661623.93 -40661623.90 -40661623.80 0.0089 0.0087
 Neptune -116037-06-11 05:03 J -40660929.39 -40660929.29 -40660929.16 0.0089 0.0082

Neptune -116035-05-06 20:53 J -40660234.74 -40660234.63 -40660234.44 0.0088 0.0078
 Neptune -116033-03-31 15:22 J -40659540.03 -40659539.86 -40659539.66 0.0088 0.0072
 Neptune -116031-02-24 10:19 J -40658845.27 -40658845.07 -40658844.85 0.0088 0.0066
 Neptune -116029-01-20 07:12 J -40658150.42 -40658150.20 -40658149.95 0.0088 0.0060
 Uranus -116028-04-01 19:12 J -40657712.86 -40657712.70 -40657712.51 0.0148 0.0119
 Saturn -116028-10-04 17:31 J -40657526.89 -40657526.77 -40657526.62 0.0272 0.0237
 Neptune -116028-12-15 04:48 J -40657455.53 -40657455.30 -40657455.03 0.0088 0.0054
 Neptune -116026-11-10 04:05 J -40656760.58 -40656760.33 -40656760.04 0.0088 0.0047
 Neptune -116024-10-05 05:17 J -40656065.54 -40656065.28 -40656064.97 0.0088 0.0040
 Neptune -116022-08-31 09:07 J -40655370.42 -40655370.12 -40655369.82 0.0088 0.0032
 Neptune -116020-07-26 12:58 J -40654675.25 -40654674.96 -40654674.63 0.0088 0.0024
 Neptune -116018-06-21 19:27 J -40653980.00 -40653979.69 -40653979.36 0.0088 0.0016
 Neptune -116016-05-17 03:22 J -40653284.67 -40653284.36 -40653284.02 0.0088 0.0009
 Neptune -116014-04-12 12:15 J -40652589.31 -40652588.99 -40652588.66 0.0088 0.0001
 Saturn -116014-12-28 06:58 J -40652329.51 -40652329.21 -40652328.91 0.0286 0.0023
 Neptune -116012-03-07 22:19 J -40651893.89 -40651893.57 -40651893.23 0.0088 0.0009
 Neptune -116010-02-01 10:34 J -40651198.38 -40651198.06 -40651197.74 0.0088 0.0017
 Neptune -116009-12-27 23:17 J -40650502.82 -40650502.53 -40650502.19 0.0088 0.0026
 Neptune -116007-11-23 13:41 J -40649807.22 -40649806.93 -40649806.61 0.0088 0.0033
 Neptune -116005-10-19 05:17 J -40649111.55 -40649111.28 -40649110.96 0.0088 0.0042
 Jupiter -116004-09-26 11:46 J -40648769.26 -40648769.01 -40648768.77 0.0498 0.0190
 Neptune -116003-09-14 21:36 J -40648415.85 -40648415.60 -40648415.30 0.0088 0.0049
 Neptune -116001-08-10 15:22 J -40647720.10 -40647719.86 -40647719.59 0.0088 0.0057

116TH MILLENNIUM BCE

This is a list of transits of Mars in the 116th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-115999-07-07 09:36 J		-40647024.30	-40647024.10	-40647023.84	0.0088	0.0064	
Saturn	-115998-11-22 13:12 J		-40646521.23	-40646520.95	-40646520.67	0.0275	0.0057	
Neptune	-115997-06-02 04:48 J		-40646328.46	-40646328.30	-40646328.06	0.0088	0.0072	
Neptune	-115995-04-29 01:12 J		-40645632.59	-40645632.45	-40645632.28	0.0088	0.0078	
Neptune	-115993-03-24 20:39 J		-40644936.70	-40644936.64	-40644936.49	0.0088	0.0085	
Uranus	-115986-07-11 22:19 J		-40642271.86	-40642271.57	-40642271.26	0.0131	0.0049	
Jupiter	-115986-07-23 23:31 J		-40642259.79	-40642259.52	-40642259.25	0.0528	0.0171	
Saturn	-115983-02-16 22:19 J		-40641320.72	-40641320.57	-40641320.41	0.0283	0.0239	
Jupiter	-115968-06-30 23:03 J		-40635707.76	-40635707.54	-40635707.31	0.0497	0.0255	
Saturn	-115967-01-10 01:41 J		-40635514.67	-40635514.43	-40635514.17	0.0278	0.0142	
Pluto	-115956-01-21 06:29 J		-40631485.41	-40631485.23	-40631485.00	0.0064	0.0047	
Saturn	-115955-04-02 00:29 J		-40631049.69	-40631049.48	-40631049.24	0.0289	0.0192	
Neptune	-115955-04-27 18:43 J		-40631023.75	-40631023.72	-40631023.61	0.0089	0.0087	
Neptune	-115953-03-22 21:07 J		-40630328.71	-40630328.62	-40630328.44	0.0089	0.0081	
Neptune	-115951-02-15 23:03 J		-40629633.70	-40629633.54	-40629633.35	0.0089	0.0074	
Jupiter	-115950-05-01 03:51 J		-40629194.45	-40629194.34	-40629194.21	0.0528	0.0480	
Neptune	-115949-01-11 23:03 J		-40628938.72	-40628938.54	-40628938.31	0.0089	0.0068	
Neptune	-115948-12-06 20:39 J		-40628243.84	-40628243.64	-40628243.38	0.0089	0.0061	
Neptune	-115946-11-01 17:17 J		-40627549.00	-40627548.78	-40627548.50	0.0089	0.0054	
Neptune	-115944-09-26 12:58 J		-40626854.22	-40626853.96	-40626853.68	0.0089	0.0046	
Uranus	-115944-11-26 11:03 J		-40626793.33	-40626793.04	-40626792.74	0.0148	0.0016	
Neptune	-115942-08-22 06:29 J		-40626159.51	-40626159.23	-40626158.95	0.0089	0.0038	

Neptune -115940-07-16 21:51 J -40625464.86 -40625464.59 -40625464.28 0.0089 0.0031
 Saturn -115939-02-28 06:58 J -40625238.36 -40625238.21 -40625238.03 0.0272 0.0223
 Neptune -115938-06-11 13:12 J -40624770.23 -40624769.95 -40624769.64 0.0089 0.0024
 Neptune -115936-05-06 02:24 J -40624075.70 -40624075.40 -40624075.09 0.0089 0.0015
 Neptune -115934-03-31 13:27 J -40623381.24 -40623380.94 -40623380.63 0.0089 0.0007
 Neptune -115932-02-23 00:15 J -40622686.79 -40622686.49 -40622686.18 0.0089 0.0001
 Neptune -115930-01-18 09:22 J -40621992.40 -40621992.11 -40621991.80 0.0089 0.0009
 Neptune -115929-12-12 16:34 J -40621298.09 -40621297.81 -40621297.50 0.0089 0.0017
 Neptune -115927-11-06 23:31 J -40620603.80 -40620603.52 -40620603.22 0.0089 0.0024
 Saturn -115925-05-23 04:48 J -40620040.59 -40620040.30 -40620040.00 0.0286 0.0041
 Neptune -115925-10-01 06:15 J -40619909.50 -40619909.24 -40619908.94 0.0089 0.0032
 Neptune -115923-08-26 11:17 J -40619215.29 -40619215.03 -40619214.75 0.0089 0.0039
 Neptune -115921-07-20 15:22 J -40618521.10 -40618520.86 -40618520.59 0.0089 0.0046
 Neptune -115919-06-14 19:12 J -40617826.92 -40617826.70 -40617826.45 0.0089 0.0053
 Neptune -115917-05-08 21:22 J -40617132.79 -40617132.61 -40617132.35 0.0089 0.0061
 Neptune -115915-04-02 23:03 J -40616438.71 -40616438.54 -40616438.31 0.0089 0.0066
 Neptune -115913-02-26 01:55 J -40615744.58 -40615744.42 -40615744.23 0.0089 0.0072
 Neptune -115911-01-20 02:53 J -40615050.50 -40615050.38 -40615050.20 0.0089 0.0077
 Neptune -115910-12-15 03:36 J -40614356.43 -40614356.35 -40614356.21 0.0089 0.0083
 Saturn -115909-04-17 01:41 J -40614232.71 -40614232.43 -40614232.14 0.0275 0.0039
 Neptune -115908-11-08 05:03 J -40613662.31 -40613662.29 -40613662.18 0.0089 0.0087
 Uranus -115901-03-05 18:29 J -40611353.03 -40611352.73 -40611352.40 0.0131 0.0027
 Saturn -115895-07-13 19:55 J -40609031.77 -40609031.67 -40609031.57 0.0283 0.0265
 Jupiter -115885-03-18 01:27 J -40605496.48 -40605496.44 -40605496.38 0.0498 0.0488
 Saturn -115879-06-05 02:24 J -40603226.64 -40603226.40 -40603226.15 0.0277 0.0149
 Neptune -115875-03-01 13:41 J -40601860.97 -40601860.93 -40601860.86 0.0089 0.0087
 Neptune -115873-01-25 02:24 J -40601166.48 -40601166.40 -40601166.26 0.0089 0.0083
 Neptune -115872-12-19 16:34 J -40600471.92 -40600471.81 -40600471.62 0.0089 0.0078
 Neptune -115870-11-14 09:22 J -40599777.27 -40599777.11 -40599776.91 0.0088 0.0072
 Pluto -115869-07-16 05:17 J -40599532.55 -40599532.28 -40599531.98 0.0080 0.0042

Neptune -115868-10-09 03:22 J -40599082.55 -40599082.36 -40599082.13 0.0088 0.0066
 Saturn -115867-08-26 05:03 J -40598761.51 -40598761.29 -40598761.05 0.0290 0.0183
 Neptune -115866-09-03 21:36 J -40598387.80 -40598387.60 -40598387.33 0.0088 0.0060
 Neptune -115864-07-29 18:43 J -40597692.94 -40597692.72 -40597692.43 0.0088 0.0053
 Neptune -115862-06-24 17:03 J -40596998.04 -40596997.79 -40596997.49 0.0088 0.0046
 Neptune -115860-05-19 17:17 J -40596303.07 -40596302.78 -40596302.49 0.0088 0.0038
 Uranus -115859-07-22 19:55 J -40595873.91 -40595873.67 -40595873.41 0.0148 0.0081
 Neptune -115858-04-14 18:29 J -40595608.01 -40595607.73 -40595607.41 0.0088 0.0031
 Neptune -115856-03-09 22:05 J -40594912.87 -40594912.58 -40594912.25 0.0088 0.0022
 Neptune -115854-02-03 02:53 J -40594217.69 -40594217.38 -40594217.05 0.0088 0.0014
 Neptune -115853-12-29 08:53 J -40593522.44 -40593522.13 -40593521.80 0.0088 0.0006
 Saturn -115851-07-24 11:46 J -40592950.18 -40592950.01 -40592949.82 0.0272 0.0210
 Neptune -115851-11-24 17:03 J -40592827.11 -40592826.79 -40592826.46 0.0088 0.0003
 Jupiter -115850-12-21 17:31 J -40592435.03 -40592434.77 -40592434.51 0.0498 0.0032
 Neptune -115849-10-20 02:10 J -40592131.73 -40592131.41 -40592131.08 0.0088 0.0012
 Neptune -115847-09-15 12:15 J -40591436.29 -40591435.99 -40591435.65 0.0088 0.0021
 Neptune -115845-08-11 00:58 J -40590740.76 -40590740.46 -40590740.14 0.0088 0.0029
 Neptune -115843-07-07 14:53 J -40590045.16 -40590044.88 -40590044.56 0.0088 0.0037
 Neptune -115841-06-02 05:31 J -40589349.53 -40589349.27 -40589348.96 0.0088 0.0046
 Neptune -115839-04-28 21:36 J -40588653.84 -40588653.60 -40588653.31 0.0088 0.0054
 Neptune -115837-03-24 13:55 J -40587958.12 -40587957.92 -40587957.64 0.0088 0.0062
 Saturn -115837-10-16 11:31 J -40587752.31 -40587752.02 -40587751.72 0.0287 0.0056
 Neptune -115835-02-18 07:27 J -40587262.37 -40587262.19 -40587261.95 0.0088 0.0069
 Neptune -115833-01-15 02:10 J -40586566.56 -40586566.41 -40586566.22 0.0088 0.0076
 Jupiter -115832-10-17 19:12 J -40585924.99 -40585924.70 -40585924.42 0.0528 0.0052
 Neptune -115832-12-10 21:22 J -40585870.69 -40585870.61 -40585870.45 0.0088 0.0083
 Saturn -115821-09-09 21:51 J -40581944.87 -40581944.59 -40581944.30 0.0274 0.0037
 Uranus -115819-11-27 12:58 J -40581136.11 -40581135.96 -40581135.75 0.0131 0.0109
 Uranus -115817-10-29 13:55 J -40580434.11 -40580433.92 -40580433.71 0.0131 0.0102
 Jupiter -115814-09-24 22:48 J -40579373.70 -40579373.55 -40579373.39 0.0498 0.0400

Saturn -115807-12-06 13:55 J -40576744.00 -40576743.92 -40576743.80 0.0283 0.0267
 Neptune -115792-12-10 04:48 J -40571261.31 -40571261.30 -40571261.23 0.0089 0.0088
 Saturn -115791-10-28 22:05 J -40570938.81 -40570938.58 -40570938.33 0.0277 0.0155
 Neptune -115790-11-05 08:53 J -40570566.22 -40570566.13 -40570565.97 0.0089 0.0082
 Neptune -115788-09-30 11:17 J -40569871.18 -40569871.03 -40569870.84 0.0089 0.0075
 Neptune -115786-08-26 12:00 J -40569176.19 -40569176.00 -40569175.78 0.0089 0.0068
 Neptune -115784-07-21 12:00 J -40568481.20 -40568481.00 -40568480.75 0.0089 0.0061
 Neptune -115782-06-16 10:34 J -40567786.31 -40567786.06 -40567785.80 0.0089 0.0053
 Neptune -115780-05-11 06:15 J -40567091.48 -40567091.24 -40567090.94 0.0089 0.0046
 Saturn -115778-01-18 21:51 J -40566473.82 -40566473.59 -40566473.34 0.0290 0.0178
 Neptune -115778-04-06 01:27 J -40566396.69 -40566396.44 -40566396.13 0.0089 0.0038
 Neptune -115776-02-28 19:12 J -40565701.99 -40565701.70 -40565701.40 0.0089 0.0029
 Uranus -115776-04-13 14:10 J -40565658.09 -40565657.91 -40565657.69 0.0148 0.0108
 Neptune -115774-01-24 10:05 J -40565007.37 -40565007.08 -40565006.77 0.0089 0.0021
 Neptune -115773-12-19 00:43 J -40564312.77 -40564312.47 -40564312.16 0.0089 0.0013
 Neptune -115771-11-13 13:55 J -40563618.22 -40563617.92 -40563617.61 0.0089 0.0005
 Neptune -115769-10-08 00:58 J -40562923.76 -40562923.46 -40562923.15 0.0089 0.0004
 Neptune -115767-09-02 11:31 J -40562229.31 -40562229.02 -40562228.71 0.0089 0.0012
 Neptune -115765-07-27 21:07 J -40561534.90 -40561534.62 -40561534.31 0.0089 0.0020
 Neptune -115763-06-22 04:34 J -40560840.58 -40560840.31 -40560840.01 0.0089 0.0028
 Saturn -115763-12-17 06:58 J -40560662.38 -40560662.21 -40560662.02 0.0271 0.0211
 Neptune -115761-05-16 11:03 J -40560146.31 -40560146.04 -40560145.76 0.0089 0.0035
 Neptune -115759-04-10 16:48 J -40559452.04 -40559451.80 -40559451.51 0.0089 0.0043
 Neptune -115757-03-04 21:22 J -40558757.83 -40558757.61 -40558757.34 0.0089 0.0050
 Neptune -115755-01-28 00:43 J -40558063.67 -40558063.47 -40558063.21 0.0089 0.0058
 Neptune -115754-12-23 04:19 J -40557369.50 -40557369.32 -40557369.08 0.0089 0.0064
 Neptune -115752-11-16 07:27 J -40556675.35 -40556675.19 -40556674.98 0.0089 0.0070
 Neptune -115750-10-11 09:22 J -40555981.23 -40555981.11 -40555980.93 0.0089 0.0076
 Saturn -115748-03-10 15:51 J -40555465.13 -40555464.84 -40555464.54 0.0287 0.0050
 Neptune -115748-09-04 11:46 J -40555287.11 -40555287.01 -40555286.87 0.0089 0.0081

Neptune -115746-07-30 13:27 J -40554592.99 -40554592.94 -40554592.85 0.0089 0.0087
 Uranus -115734-07-23 06:00 J -40550217.56 -40550217.25 -40550216.94 0.0131 0.0035
 Saturn -115732-02-02 15:51 J -40549657.12 -40549656.84 -40549656.55 0.0274 0.0032
 Jupiter -115731-06-12 20:53 J -40549161.84 -40549161.63 -40549161.43 0.0498 0.0305
 Saturn -115718-05-01 03:07 J -40544456.47 -40544456.37 -40544456.28 0.0284 0.0268
 Jupiter -115713-04-05 23:31 J -40542654.73 -40542654.52 -40542654.30 0.0529 0.0351
 Neptune -115712-10-14 12:15 J -40542097.99 -40542097.99 -40542097.95 0.0089 0.0088
 Neptune -115710-09-09 00:29 J -40541403.55 -40541403.48 -40541403.34 0.0089 0.0084
 Pluto -115708-04-30 09:22 J -40540804.37 -40540804.11 -40540803.81 0.0064 0.0024
 Neptune -115708-08-03 14:24 J -40540709.03 -40540708.90 -40540708.74 0.0089 0.0078
 Neptune -115706-06-29 05:03 J -40540014.46 -40540014.29 -40540014.10 0.0089 0.0072
 Neptune -115704-05-23 21:22 J -40539319.80 -40539319.61 -40539319.38 0.0088 0.0066
 Saturn -115702-03-23 11:17 J -40538651.27 -40538651.03 -40538650.79 0.0276 0.0149
 Neptune -115702-04-18 16:34 J -40538625.03 -40538624.81 -40538624.57 0.0088 0.0059
 Neptune -115700-03-13 11:46 J -40537930.24 -40537930.01 -40537929.73 0.0088 0.0052
 Neptune -115698-02-06 09:22 J -40537235.38 -40537235.11 -40537234.83 0.0088 0.0044
 Neptune -115696-01-01 07:41 J -40536540.44 -40536540.18 -40536539.86 0.0088 0.0037
 Jupiter -115695-03-17 04:19 J -40536100.57 -40536100.32 -40536100.06 0.0497 0.0137
 Neptune -115695-11-27 07:41 J -40535845.47 -40535845.18 -40535844.86 0.0088 0.0029
 Neptune -115693-10-22 09:07 J -40535150.42 -40535150.12 -40535149.79 0.0088 0.0020
 Uranus -115692-12-07 15:51 J -40534739.13 -40534738.84 -40534738.54 0.0148 0.0015
 Neptune -115691-09-17 12:58 J -40534455.27 -40534454.96 -40534454.63 0.0088 0.0012
 Saturn -115690-06-12 15:51 J -40534187.06 -40534186.84 -40534186.60 0.0291 0.0189
 Neptune -115689-08-12 18:15 J -40533760.06 -40533759.74 -40533759.41 0.0088 0.0003
 Neptune -115687-07-09 00:29 J -40533064.79 -40533064.48 -40533064.15 0.0088 0.0007
 Neptune -115685-06-03 09:07 J -40532369.43 -40532369.12 -40532368.79 0.0088 0.0015
 Neptune -115683-04-29 18:43 J -40531674.03 -40531673.72 -40531673.40 0.0088 0.0023
 Neptune -115681-03-25 04:48 J -40530978.58 -40530978.30 -40530977.97 0.0088 0.0033
 Neptune -115679-02-18 17:17 J -40530283.06 -40530282.78 -40530282.47 0.0088 0.0041
 Jupiter -115677-01-12 23:03 J -40529589.77 -40529589.54 -40529589.30 0.0528 0.0296

Neptune -115677-01-15 06:58 J -40529587.46 -40529587.21 -40529586.91 0.0088 0.0049
 Neptune -115676-12-10 21:51 J -40528891.81 -40528891.59 -40528891.31 0.0088 0.0058
 Saturn -115674-05-12 01:27 J -40528374.61 -40528374.44 -40528374.25 0.0271 0.0206
 Neptune -115674-11-06 14:10 J -40528196.11 -40528195.91 -40528195.67 0.0088 0.0066
 Neptune -115672-10-02 06:58 J -40527500.36 -40527500.21 -40527499.99 0.0088 0.0073
 Neptune -115670-08-29 00:43 J -40526804.57 -40526804.47 -40526804.29 0.0088 0.0081
 Neptune -115668-07-24 19:27 J -40526108.70 -40526108.69 -40526108.58 0.0088 0.0088
 Saturn -115660-08-02 20:24 J -40523177.94 -40523177.65 -40523177.35 0.0288 0.0044
 Uranus -115649-03-16 22:19 J -40519298.87 -40519298.57 -40519298.26 0.0131 0.0038
 Saturn -115644-06-28 09:51 J -40517369.37 -40517369.09 -40517368.80 0.0273 0.0036
 Saturn -115630-09-23 00:58 J -40512169.58 -40512169.46 -40512169.33 0.0285 0.0258
 Neptune -115626-06-19 20:53 J -40510803.72 -40510803.63 -40510803.50 0.0089 0.0083
 Neptune -115624-05-15 01:55 J -40510108.57 -40510108.42 -40510108.24 0.0089 0.0076
 Neptune -115622-04-10 03:51 J -40509413.51 -40509413.34 -40509413.11 0.0089 0.0069
 Neptune -115620-03-05 04:19 J -40508718.53 -40508718.32 -40508718.07 0.0089 0.0061
 Neptune -115618-01-29 03:51 J -40508023.58 -40508023.34 -40508023.07 0.0089 0.0053
 Neptune -115617-12-24 01:27 J -40507328.70 -40507328.44 -40507328.16 0.0089 0.0045
 Neptune -115615-11-18 20:39 J -40506633.90 -40506633.64 -40506633.33 0.0089 0.0037
 Saturn -115614-08-16 05:46 J -40506363.50 -40506363.26 -40506363.02 0.0276 0.0153
 Neptune -115613-10-13 15:36 J -40505939.13 -40505938.85 -40505938.54 0.0089 0.0028
 Neptune -115611-09-08 08:39 J -40505244.43 -40505244.14 -40505243.82 0.0089 0.0020
 Neptune -115609-08-03 00:00 J -40504549.80 -40504549.50 -40504549.18 0.0089 0.0011
 Neptune -115607-06-28 14:10 J -40503855.21 -40503854.91 -40503854.60 0.0089 0.0003
 Uranus -115607-08-03 00:00 J -40503819.73 -40503819.50 -40503819.24 0.0148 0.0083
 Neptune -115605-05-23 03:22 J -40503160.66 -40503160.36 -40503160.05 0.0089 0.0006
 Neptune -115603-04-17 14:10 J -40502466.21 -40502465.91 -40502465.61 0.0089 0.0014
 Saturn -115602-11-04 20:10 J -40501899.86 -40501899.66 -40501899.42 0.0291 0.0199
 Neptune -115601-03-11 23:31 J -40501771.80 -40501771.52 -40501771.21 0.0089 0.0023
 Neptune -115599-02-04 08:39 J -40501077.41 -40501077.14 -40501076.84 0.0089 0.0031
 Neptune -115598-12-30 16:05 J -40500383.08 -40500382.83 -40500382.54 0.0089 0.0039

Neptune -115596-11-23 21:51 J -40499688.82 -40499688.59 -40499688.31 0.0089 0.0047
 Neptune -115594-10-19 04:05 J -40498994.54 -40498994.33 -40498994.06 0.0089 0.0055
 Neptune -115592-09-12 09:36 J -40498300.29 -40498300.10 -40498299.86 0.0089 0.0062
 Neptune -115590-08-07 12:58 J -40497606.12 -40497605.96 -40497605.74 0.0089 0.0069
 Neptune -115588-07-01 16:34 J -40496911.95 -40496911.81 -40496911.63 0.0089 0.0075
 Neptune -115586-05-26 19:27 J -40496217.80 -40496217.69 -40496217.54 0.0089 0.0081
 Saturn -115586-10-05 03:36 J -40496086.52 -40496086.35 -40496086.15 0.0270 0.0206
 Neptune -115584-04-19 20:39 J -40495523.68 -40495523.64 -40495523.53 0.0089 0.0086
 Jupiter -115577-09-06 08:39 J -40492827.39 -40492827.14 -40492826.88 0.0497 0.0129
 Saturn -115572-12-25 20:53 J -40490890.92 -40490890.63 -40490890.33 0.0288 0.0037
 Uranus -115567-12-08 14:10 J -40489082.10 -40489081.91 -40489081.69 0.0131 0.0099
 Uranus -115565-11-09 14:24 J -40488380.05 -40488379.90 -40488379.72 0.0131 0.0112
 Jupiter -115559-07-02 01:12 J -40486319.73 -40486319.45 -40486319.17 0.0528 0.0110
 Saturn -115556-11-21 12:43 J -40485081.25 -40485080.97 -40485080.68 0.0273 0.0028
 Neptune -115546-04-24 00:43 J -40481640.53 -40481640.47 -40481640.35 0.0089 0.0085
 Neptune -115544-03-18 14:10 J -40480946.02 -40480945.91 -40480945.74 0.0089 0.0079
 Neptune -115542-02-11 04:19 J -40480251.47 -40480251.32 -40480251.11 0.0089 0.0073
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 Neptune -115540-01-05 19:12 J -40479556.89 -40479556.70 -40479556.47 0.0089 0.0066
 Neptune -115539-12-01 11:46 J -40478862.23 -40478862.01 -40478861.76 0.0088 0.0059
 Neptune -115537-10-26 06:00 J -40478167.48 -40478167.25 -40478166.97 0.0088 0.0052
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 Uranus -115524-04-25 04:19 J -40473603.52 -40473603.32 -40473603.08 0.0148 0.0099

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Saturn -115365-12-04 21:22 J -40415304.66 -40415304.61 -40415304.54 0.0285 0.0279
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 Uranus -115313-11-20 18:43 J -40396325.79 -40396325.72 -40396325.60 0.0131 0.0125
 Saturn -115306-03-11 12:15 J -40394024.27 -40394023.99 -40394023.70 0.0287 0.0085
 Jupiter -115304-05-22 18:29 J -40393220.94 -40393220.73 -40393220.50 0.0497 0.0276
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 Neptune -115285-01-11 09:51 J -40386413.37 -40386413.09 -40386412.78 0.0089 0.0027

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 Neptune -115266-01-16 19:27 J -40379467.88 -40379467.69 -40379467.45 0.0089 0.0062
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 Jupiter -115251-12-19 04:34 J -40373652.56 -40373652.31 -40373652.05 0.0529 0.0232
 Saturn -115248-06-14 16:19 J -40372744.09 -40372743.82 -40372743.53 0.0290 0.0118
 Saturn -115232-05-16 06:00 J -40366929.50 -40366929.25 -40366928.99 0.0271 0.0120
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 Saturn -115174-08-24 09:22 J -40345645.16 -40345645.11 -40345645.05 0.0269 0.0264
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 Neptune -115129-01-15 02:24 J -40329430.60 -40329430.40 -40329430.15 0.0089 0.0064
 Neptune -115128-12-10 05:46 J -40328735.49 -40328735.26 -40328734.99 0.0089 0.0055
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 Jupiter -115114-05-20 04:19 J -40323826.54 -40323826.32 -40323826.10 0.0497 0.0274
 Saturn -115114-11-28 22:19 J -40323633.84 -40323633.57 -40323633.30 0.0275 0.0094
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 Saturn -115101-02-13 15:07 J -40319173.93 -40319173.87 -40319173.80 0.0293 0.0285
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 Neptune -115097-05-14 19:26 J -40317621.70 -40317621.69 -40317621.61 0.0089 0.0088
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 Neptune -115050-11-18 19:55 J -40300267.83 -40300267.67 -40300267.44 0.0089 0.0069
 Neptune -115048-10-13 08:24 J -40299573.34 -40299573.15 -40299572.89 0.0089 0.0061
 Neptune -115046-09-07 23:31 J -40298878.74 -40298878.52 -40298878.24 0.0089 0.0052
 Neptune -115044-08-02 16:05 J -40298184.09 -40298183.83 -40298183.55 0.0089 0.0043
 Neptune -115042-06-28 09:07 J -40297489.40 -40297489.12 -40297488.82 0.0088 0.0034
 Saturn -115041-05-28 18:29 J -40297153.94 -40297153.73 -40297153.51 0.0287 0.0199

Neptune -115040-05-23 03:50 J -40296794.62 -40296794.34 -40296794.02 0.0088 0.0025
 Neptune -115038-04-18 01:41 J -40296099.73 -40296099.43 -40296099.11 0.0088 0.0015
 Neptune -115036-03-13 00:00 J -40295404.81 -40295404.50 -40295404.18 0.0088 0.0005
 Neptune -115034-02-05 23:31 J -40294709.83 -40294709.52 -40294709.20 0.0088 0.0005
 Neptune -115032-01-01 00:58 J -40294014.76 -40294014.46 -40294014.13 0.0088 0.0016
 Neptune -115031-11-27 03:36 J -40293319.64 -40293319.35 -40293319.02 0.0088 0.0026
 Neptune -115029-10-22 07:55 J -40292624.45 -40292624.17 -40292623.86 0.0088 0.0035
 Neptune -115027-09-17 14:10 J -40291929.16 -40291928.91 -40291928.60 0.0088 0.0046
 Saturn -115025-04-23 15:36 J -40291345.10 -40291344.85 -40291344.58 0.0274 0.0110
 Neptune -115025-08-12 23:02 J -40291233.79 -40291233.54 -40291233.28 0.0088 0.0055
 Neptune -115023-07-09 08:10 J -40290538.36 -40290538.16 -40290537.91 0.0088 0.0065
 Neptune -115021-06-03 19:41 J -40289842.84 -40289842.68 -40289842.49 0.0088 0.0074
 Uranus -115020-05-18 08:24 J -40289494.39 -40289494.15 -40289493.90 0.0148 0.0083
 Neptune -115019-04-30 07:41 J -40289147.27 -40289147.18 -40289147.04 0.0088 0.0083
 Saturn -115013-07-09 16:48 J -40286884.91 -40286884.80 -40286884.65 0.0293 0.0265

115TH MILLENNIUM BCE

This is a list of transits of Mars in the 115th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-114997-06-13 10:05 J	-40281067.22	-40281067.08	-40281066.91	0.0269	0.0223		
Jupiter	-114996-11-08 12:14 J	-40280554.26	-40280553.99	-40280553.73	0.0497	0.0039		

Saturn -114983-09-01 01:26 J -40275874.75 -40275874.44 -40275874.14 0.0290 0.0015
 Uranus -114978-08-25 12:00 J -40274055.32 -40274055.00 -40274054.68 0.0131 0.0005
 Jupiter -114978-08-30 18:00 J -40274050.03 -40274049.75 -40274049.47 0.0529 0.0078
 Neptune -114970-11-08 02:38 J -40271058.47 -40271058.39 -40271058.26 0.0089 0.0084
 Neptune -114968-10-03 09:36 J -40270363.24 -40270363.10 -40270362.90 0.0089 0.0075
 Saturn -114967-07-31 10:48 J -40270062.33 -40270062.05 -40270061.77 0.0271 0.0060
 Neptune -114966-08-29 15:50 J -40269668.02 -40269667.84 -40269667.59 0.0089 0.0066
 Neptune -114964-07-24 20:38 J -40268972.88 -40268972.64 -40268972.38 0.0089 0.0056
 Pluto -114963-02-21 11:31 J -40268761.06 -40268761.02 -40268760.93 0.0064 0.0062
 Neptune -114962-06-20 00:00 J -40268277.77 -40268277.50 -40268277.23 0.0089 0.0046
 Neptune -114960-05-15 01:12 J -40267582.71 -40267582.45 -40267582.13 0.0089 0.0037
 Jupiter -114960-08-12 18:00 J -40267492.89 -40267492.75 -40267492.59 0.0497 0.0403
 Neptune -114958-04-10 01:12 J -40266887.74 -40266887.45 -40266887.14 0.0089 0.0026
 Neptune -114956-03-04 22:34 J -40266192.86 -40266192.56 -40266192.24 0.0089 0.0016
 Neptune -114954-01-28 19:12 J -40265498.01 -40265497.70 -40265497.39 0.0089 0.0006
 Saturn -114953-10-22 04:19 J -40264865.51 -40264865.32 -40264865.10 0.0287 0.0209
 Neptune -114953-12-23 14:24 J -40264803.21 -40264802.90 -40264802.58 0.0089 0.0004
 Neptune -114951-11-18 06:58 J -40264108.51 -40264108.21 -40264107.89 0.0089 0.0014
 Neptune -114949-10-12 22:48 J -40263413.84 -40263413.55 -40263413.24 0.0089 0.0024
 Neptune -114947-09-07 13:26 J -40262719.20 -40262718.94 -40262718.63 0.0089 0.0034
 Neptune -114945-08-02 02:53 J -40262024.64 -40262024.38 -40262024.10 0.0089 0.0043
 Neptune -114943-06-27 13:55 J -40261330.16 -40261329.92 -40261329.66 0.0089 0.0052
 Neptune -114941-05-22 00:14 J -40260635.68 -40260635.49 -40260635.24 0.0089 0.0061
 Neptune -114939-04-16 09:22 J -40259941.29 -40259941.11 -40259940.91 0.0089 0.0070
 Neptune -114937-03-10 16:34 J -40259246.95 -40259246.81 -40259246.66 0.0089 0.0078
 Saturn -114937-09-17 00:43 J -40259056.72 -40259056.47 -40259056.21 0.0274 0.0123
 Uranus -114935-01-11 23:02 J -40258574.84 -40258574.54 -40258574.25 0.0148 0.0020
 Neptune -114935-02-02 23:02 J -40258552.60 -40258552.54 -40258552.43 0.0089 0.0085
 Saturn -114925-12-03 02:10 J -40254596.56 -40254596.41 -40254596.25 0.0293 0.0251
 Saturn -114909-11-06 13:12 J -40248779.11 -40248778.95 -40248778.78 0.0268 0.0220

Saturn -114894-01-24 17:46 J -40243587.06 -40243586.76 -40243586.46 0.0290 0.0014
 Uranus -114893-04-19 05:17 J -40243136.54 -40243136.28 -40243136.00 0.0131 0.0070
 Neptune -114890-09-14 00:58 J -40241893.51 -40241893.46 -40241893.35 0.0089 0.0086
 Neptune -114888-08-08 10:34 J -40241199.20 -40241199.06 -40241198.92 0.0089 0.0078
 Neptune -114886-07-03 21:07 J -40240504.80 -40240504.62 -40240504.43 0.0089 0.0070
 Neptune -114884-05-28 09:22 J -40239810.31 -40239810.11 -40239809.87 0.0089 0.0062
 Neptune -114882-04-22 22:48 J -40239115.78 -40239115.55 -40239115.28 0.0089 0.0053
 Neptune -114880-03-17 13:55 J -40238421.16 -40238420.92 -40238420.62 0.0089 0.0044
 Saturn -114879-12-24 12:29 J -40237774.25 -40237773.98 -40237773.69 0.0271 0.0051
 Neptune -114878-02-10 07:12 J -40237726.48 -40237726.20 -40237725.90 0.0088 0.0034
 Jupiter -114877-04-30 06:43 J -40237281.42 -40237281.22 -40237281.03 0.0497 0.0335
 Neptune -114876-01-05 00:29 J -40237031.76 -40237031.48 -40237031.16 0.0088 0.0025
 Neptune -114875-11-30 19:41 J -40236336.98 -40236336.68 -40236336.36 0.0088 0.0014
 Neptune -114873-10-25 17:02 J -40235642.10 -40235641.79 -40235641.47 0.0088 0.0004
 Neptune -114871-09-20 16:05 J -40234947.15 -40234946.83 -40234946.51 0.0088 0.0006
 Neptune -114869-08-15 15:36 J -40234252.15 -40234251.85 -40234251.53 0.0088 0.0017
 Neptune -114867-07-11 17:46 J -40233557.05 -40233556.76 -40233556.44 0.0088 0.0028
 Neptune -114865-06-05 21:36 J -40232861.88 -40232861.60 -40232861.30 0.0088 0.0038
 Saturn -114864-03-17 02:24 J -40232577.59 -40232577.40 -40232577.20 0.0287 0.0215
 Neptune -114863-05-02 02:24 J -40232166.66 -40232166.40 -40232166.12 0.0088 0.0048
 Neptune -114861-03-27 08:53 J -40231471.37 -40231471.13 -40231470.88 0.0088 0.0058
 Jupiter -114859-02-16 20:24 J -40230779.73 -40230779.65 -40230779.55 0.0529 0.0500
 Neptune -114859-02-20 17:02 J -40230775.98 -40230775.79 -40230775.56 0.0088 0.0068
 Neptune -114857-01-17 02:10 J -40230080.53 -40230080.41 -40230080.22 0.0088 0.0078
 Neptune -114856-12-12 13:26 J -40229384.98 -40229384.94 -40229384.85 0.0088 0.0087
 Uranus -114851-09-07 15:36 J -40227655.00 -40227654.85 -40227654.68 0.0148 0.0124
 Saturn -114848-02-09 18:00 J -40226769.01 -40226768.75 -40226768.49 0.0273 0.0119
 Jupiter -114841-02-02 16:34 J -40224220.06 -40224219.81 -40224219.55 0.0497 0.0122
 Saturn -114836-04-27 01:55 J -40222309.56 -40222309.42 -40222309.27 0.0294 0.0258
 Jupiter -114824-11-24 13:55 J -40217715.19 -40217714.92 -40217714.64 0.0529 0.0153

Saturn -114820-04-01 09:07 J -40216491.28 -40216491.12 -40216490.94 0.0268 0.0215
 Uranus -114810-01-11 03:07 J -40212919.64 -40212919.37 -40212919.09 0.0131 0.0066
 Saturn -114806-06-19 02:38 J -40211299.69 -40211299.39 -40211299.08 0.0291 0.0017
 Neptune -114806-06-22 12:14 J -40211296.03 -40211295.99 -40211295.90 0.0089 0.0087
 Neptune -114804-05-17 21:07 J -40210600.74 -40210600.62 -40210600.43 0.0089 0.0078
 Neptune -114802-04-13 04:19 J -40209905.49 -40209905.32 -40209905.08 0.0089 0.0068
 Neptune -114800-03-08 10:34 J -40209210.28 -40209210.06 -40209209.80 0.0089 0.0058
 Neptune -114798-02-01 14:53 J -40208515.13 -40208514.88 -40208514.59 0.0089 0.0048
 Neptune -114797-12-27 17:17 J -40207820.06 -40207819.78 -40207819.48 0.0089 0.0037
 Neptune -114795-11-22 18:14 J -40207125.02 -40207124.74 -40207124.42 0.0089 0.0027
 Neptune -114793-10-17 18:00 J -40206430.05 -40206429.75 -40206429.43 0.0089 0.0016
 Neptune -114791-09-12 15:22 J -40205735.18 -40205734.86 -40205734.55 0.0089 0.0005
 Saturn -114790-05-19 04:19 J -40205486.59 -40205486.32 -40205486.04 0.0270 0.0055
 Neptune -114789-08-07 11:17 J -40205040.34 -40205040.03 -40205039.72 0.0089 0.0005
 Neptune -114787-07-03 06:43 J -40204345.52 -40204345.22 -40204344.91 0.0089 0.0015
 Neptune -114785-05-27 23:02 J -40203650.82 -40203650.54 -40203650.23 0.0089 0.0026
 Neptune -114783-04-22 13:55 J -40202956.18 -40202955.92 -40202955.62 0.0089 0.0036
 Neptune -114781-03-17 04:05 J -40202261.57 -40202261.33 -40202261.04 0.0089 0.0046
 Neptune -114779-02-09 16:48 J -40201567.03 -40201566.80 -40201566.55 0.0089 0.0055
 Neptune -114777-01-05 03:22 J -40200872.56 -40200872.36 -40200872.15 0.0089 0.0065
 Saturn -114776-08-08 23:17 J -40200290.74 -40200290.53 -40200290.32 0.0288 0.0206
 Neptune -114776-11-29 12:58 J -40200178.10 -40200177.96 -40200177.76 0.0089 0.0073
 Neptune -114774-10-24 22:19 J -40199483.67 -40199483.57 -40199483.43 0.0089 0.0082
 Uranus -114768-05-30 16:05 J -40197439.09 -40197438.83 -40197438.55 0.0148 0.0061
 Saturn -114760-07-05 08:53 J -40194481.38 -40194481.13 -40194480.87 0.0273 0.0122
 Saturn -114748-09-19 03:07 J -40190022.48 -40190022.37 -40190022.24 0.0294 0.0268
 Saturn -114732-08-25 05:17 J -40184203.44 -40184203.28 -40184203.11 0.0267 0.0217
 Neptune -114726-04-29 05:31 J -40182130.29 -40182130.27 -40182130.24 0.0089 0.0088
 Uranus -114726-09-05 19:12 J -40182001.02 -40182000.70 -40182000.38 0.0131 0.0009
 Neptune -114724-03-23 13:55 J -40181436.01 -40181435.92 -40181435.76 0.0089 0.0081

Jupiter -114723-07-25 20:24 J -40180946.90 -40180946.65 -40180946.39 0.0497 0.0151
 Neptune -114722-02-16 00:14 J -40180741.66 -40180741.49 -40180741.31 0.0089 0.0072
 Neptune -114720-01-10 10:34 J -40180047.25 -40180047.06 -40180046.82 0.0089 0.0064
 Neptune -114719-12-05 23:46 J -40179352.75 -40179352.51 -40179352.26 0.0089 0.0054
 Saturn -114718-11-10 18:58 J -40179013.01 -40179012.71 -40179012.40 0.0292 0.0027
 Neptune -114717-10-30 12:58 J -40178658.21 -40178657.96 -40178657.67 0.0089 0.0045
 Neptune -114715-09-25 03:36 J -40177963.62 -40177963.35 -40177963.04 0.0089 0.0035
 Neptune -114713-08-19 20:38 J -40177268.92 -40177268.64 -40177268.32 0.0088 0.0025
 Neptune -114711-07-15 14:24 J -40176574.19 -40176573.90 -40176573.57 0.0088 0.0015
 Neptune -114709-06-09 10:05 J -40175879.40 -40175879.08 -40175878.77 0.0088 0.0004
 Neptune -114707-05-05 07:41 J -40175184.49 -40175184.18 -40175183.86 0.0088 0.0007
 Neptune -114705-03-30 06:58 J -40174489.50 -40174489.21 -40174488.88 0.0088 0.0019
 Jupiter -114705-05-14 02:24 J -40174444.64 -40174444.40 -40174444.14 0.0529 0.0248
 Neptune -114703-02-23 07:26 J -40173794.49 -40173794.19 -40173793.88 0.0088 0.0029
 Saturn -114702-10-11 23:46 J -40173198.79 -40173198.51 -40173198.23 0.0270 0.0051
 Neptune -114701-01-19 09:36 J -40173099.38 -40173099.10 -40173098.81 0.0088 0.0040
 Neptune -114700-12-14 12:58 J -40172404.19 -40172403.96 -40172403.66 0.0088 0.0051
 Neptune -114698-11-09 18:14 J -40171708.95 -40171708.74 -40171708.48 0.0088 0.0061
 Neptune -114696-10-05 01:12 J -40171013.63 -40171013.45 -40171013.24 0.0088 0.0071
 Neptune -114694-08-31 09:50 J -40170318.20 -40170318.09 -40170317.93 0.0088 0.0081
 Saturn -114687-01-01 06:00 J -40168003.45 -40168003.25 -40168003.02 0.0288 0.0200
 Jupiter -114687-04-29 10:05 J -40167885.28 -40167885.08 -40167884.87 0.0496 0.0313
 Uranus -114683-01-23 23:02 J -40166519.82 -40166519.54 -40166519.24 0.0148 0.0037
 Saturn -114672-11-28 06:43 J -40162193.47 -40162193.22 -40162192.95 0.0272 0.0118
 Jupiter -114669-02-20 05:17 J -40161379.43 -40161379.28 -40161379.11 0.0530 0.0436
 Saturn -114659-02-10 19:55 J -40157735.77 -40157735.67 -40157735.57 0.0295 0.0277
 Saturn -114643-01-18 06:14 J -40151915.40 -40151915.24 -40151915.06 0.0268 0.0211
 Uranus -114643-05-29 18:29 J -40151783.77 -40151783.73 -40151783.64 0.0131 0.0128
 Uranus -114641-04-30 12:43 J -40151082.20 -40151081.97 -40151081.71 0.0131 0.0084
 Neptune -114641-12-30 06:00 J -40150838.35 -40150838.25 -40150838.08 0.0089 0.0081

Neptune -114639-11-25 14:24 J -40150143.06 -40150142.90 -40150142.67 0.0089 0.0071
 Neptune -114637-10-20 21:07 J -40149447.83 -40149447.62 -40149447.36 0.0089 0.0060
 Neptune -114635-09-16 02:10 J -40148752.64 -40148752.41 -40148752.11 0.0089 0.0050
 Neptune -114633-08-11 06:43 J -40148057.48 -40148057.22 -40148056.91 0.0089 0.0039
 Neptune -114631-07-07 08:53 J -40147362.41 -40147362.13 -40147361.80 0.0089 0.0028
 Saturn -114629-04-04 05:02 J -40146725.60 -40146725.29 -40146724.99 0.0292 0.0034
 Neptune -114629-06-01 10:19 J -40146667.37 -40146667.07 -40146666.74 0.0089 0.0017
 Neptune -114627-04-27 09:50 J -40145972.39 -40145972.09 -40145971.77 0.0089 0.0006
 Neptune -114625-03-22 06:58 J -40145277.51 -40145277.21 -40145276.89 0.0089 0.0006
 Neptune -114623-02-15 02:10 J -40144582.71 -40144582.41 -40144582.09 0.0089 0.0017
 Neptune -114621-01-10 20:53 J -40143887.92 -40143887.63 -40143887.33 0.0089 0.0027
 Neptune -114620-12-05 12:58 J -40143193.21 -40143192.96 -40143192.65 0.0089 0.0038
 Neptune -114618-10-31 03:36 J -40142498.58 -40142498.35 -40142498.07 0.0089 0.0048
 Neptune -114616-09-24 17:46 J -40141803.97 -40141803.76 -40141803.50 0.0089 0.0058
 Neptune -114614-08-20 06:58 J -40141109.40 -40141109.21 -40141109.00 0.0089 0.0068
 Saturn -114613-03-06 06:58 J -40140910.49 -40140910.21 -40140909.93 0.0270 0.0049
 Neptune -114612-07-14 17:46 J -40140414.92 -40140414.76 -40140414.61 0.0089 0.0077
 Neptune -114610-06-09 02:24 J -40139720.46 -40139720.40 -40139720.29 0.0089 0.0085
 Jupiter -114604-01-14 18:14 J -40137673.86 -40137673.74 -40137673.60 0.0497 0.0431
 Saturn -114599-05-26 11:46 J -40135716.22 -40135716.01 -40135715.78 0.0289 0.0198
 Uranus -114599-09-19 01:12 J -40135600.57 -40135600.45 -40135600.30 0.0148 0.0131
 Saturn -114583-04-23 14:24 J -40129905.15 -40129904.90 -40129904.64 0.0273 0.0128
 Saturn -114571-07-06 14:24 J -40125447.99 -40125447.90 -40125447.79 0.0294 0.0278
 Jupiter -114569-10-19 09:22 J -40124612.38 -40124612.11 -40124611.85 0.0496 0.0038
 Neptune -114561-11-05 16:05 J -40121672.89 -40121672.83 -40121672.69 0.0089 0.0084
 Neptune -114559-10-01 01:26 J -40120978.57 -40120978.44 -40120978.24 0.0089 0.0075
 Uranus -114558-01-22 09:07 J -40120865.40 -40120865.12 -40120864.82 0.0131 0.0054
 Neptune -114557-08-25 11:02 J -40120284.22 -40120284.04 -40120283.81 0.0089 0.0066
 Saturn -114555-06-13 23:02 J -40119626.72 -40119626.54 -40119626.35 0.0267 0.0202
 Neptune -114555-07-20 22:19 J -40119589.80 -40119589.57 -40119589.32 0.0089 0.0056

Neptune -114553-06-14 11:17 J -40118895.29 -40118895.03 -40118894.76 0.0089 0.0046
 Neptune -114551-05-10 01:41 J -40118200.71 -40118200.43 -40118200.14 0.0088 0.0036
 Jupiter -114551-08-08 23:17 J -40118109.82 -40118109.53 -40118109.25 0.0530 0.0006
 Neptune -114549-04-03 16:48 J -40117506.08 -40117505.80 -40117505.48 0.0088 0.0026
 Neptune -114547-02-27 10:19 J -40116811.36 -40116811.07 -40116810.74 0.0088 0.0015
 Neptune -114545-01-23 05:02 J -40116116.60 -40116116.29 -40116115.97 0.0088 0.0003
 Neptune -114544-12-18 00:29 J -40115421.80 -40115421.48 -40115421.17 0.0088 0.0008
 Neptune -114542-11-12 21:50 J -40114726.90 -40114726.59 -40114726.28 0.0088 0.0019
 Saturn -114541-08-27 21:07 J -40114437.92 -40114437.62 -40114437.31 0.0292 0.0028
 Neptune -114540-10-07 20:53 J -40114031.91 -40114031.63 -40114031.31 0.0088 0.0031
 Neptune -114538-09-02 21:36 J -40113336.86 -40113336.60 -40113336.29 0.0088 0.0041
 Neptune -114536-07-28 23:46 J -40112641.74 -40112641.51 -40112641.23 0.0088 0.0053
 Neptune -114534-06-24 04:05 J -40111946.52 -40111946.33 -40111946.07 0.0088 0.0064
 Jupiter -114533-07-23 20:10 J -40111550.69 -40111550.66 -40111550.63 0.0496 0.0492
 Neptune -114532-05-19 09:50 J -40111251.24 -40111251.09 -40111250.88 0.0088 0.0074
 Neptune -114530-04-14 16:48 J -40110555.87 -40110555.80 -40110555.67 0.0088 0.0084
 Saturn -114525-07-30 23:17 J -40108621.82 -40108621.53 -40108621.25 0.0270 0.0034
 Uranus -114516-06-10 18:29 J -40105384.99 -40105384.73 -40105384.44 0.0148 0.0060
 Saturn -114511-10-19 21:50 J -40103427.79 -40103427.59 -40103427.37 0.0289 0.0204
 Saturn -114495-09-17 18:00 J -40097615.99 -40097615.75 -40097615.50 0.0272 0.0141
 Saturn -114483-11-30 00:43 J -40093159.61 -40093159.47 -40093159.32 0.0295 0.0260
 Neptune -114477-08-13 12:43 J -40091076.05 -40091075.97 -40091075.85 0.0089 0.0084
 Neptune -114475-07-09 22:34 J -40090380.71 -40090380.56 -40090380.35 0.0089 0.0074
 Uranus -114474-09-17 00:43 J -40089946.78 -40089946.47 -40089946.14 0.0131 0.0021
 Neptune -114473-06-04 07:26 J -40089685.39 -40089685.19 -40089684.94 0.0089 0.0063
 Neptune -114471-04-30 14:10 J -40088990.15 -40088989.91 -40088989.62 0.0089 0.0052
 Neptune -114469-03-25 19:12 J -40088294.98 -40088294.70 -40088294.41 0.0089 0.0040
 Neptune -114467-02-18 23:02 J -40087599.83 -40087599.54 -40087599.23 0.0089 0.0029
 Saturn -114467-11-07 23:17 J -40087337.72 -40087337.53 -40087337.31 0.0268 0.0184
 Neptune -114465-01-15 00:29 J -40086904.77 -40086904.48 -40086904.15 0.0089 0.0018

Neptune -114464-12-10 00:43 J -40086209.78 -40086209.47 -40086209.15 0.0089 0.0006
 Neptune -114462-11-04 23:31 J -40085514.82 -40085514.52 -40085514.19 0.0089 0.0006
 Neptune -114460-09-29 20:24 J -40084819.94 -40084819.65 -40084819.33 0.0089 0.0017
 Neptune -114458-08-25 15:36 J -40084125.14 -40084124.85 -40084124.55 0.0089 0.0028
 Neptune -114456-07-20 09:50 J -40083430.36 -40083430.09 -40083429.80 0.0089 0.0039
 Neptune -114454-06-15 02:10 J -40082735.63 -40082735.41 -40082735.12 0.0089 0.0051
 Saturn -114452-01-22 00:00 J -40082148.80 -40082148.50 -40082148.20 0.0291 0.0011
 Neptune -114452-05-09 16:34 J -40082041.01 -40082040.81 -40082040.56 0.0089 0.0060
 Neptune -114450-04-04 05:46 J -40081346.42 -40081346.26 -40081346.04 0.0089 0.0070
 Jupiter -114450-04-10 20:38 J -40081339.86 -40081339.64 -40081339.41 0.0496 0.0265
 Neptune -114448-02-26 18:43 J -40080651.85 -40080651.72 -40080651.58 0.0089 0.0080
 Neptune -114446-01-22 04:19 J -40079957.32 -40079957.32 -40079957.27 0.0089 0.0089
 Saturn -114437-12-25 11:17 J -40076332.32 -40076332.03 -40076331.75 0.0270 0.0013
 Jupiter -114432-01-25 01:12 J -40074840.56 -40074840.45 -40074840.32 0.0530 0.0480
 Uranus -114431-02-04 07:41 J -40074465.47 -40074465.18 -40074464.90 0.0148 0.0042
 Saturn -114422-03-15 23:31 J -40071138.69 -40071138.52 -40071138.32 0.0289 0.0230
 Jupiter -114414-01-13 02:24 J -40068278.65 -40068278.40 -40068278.15 0.0496 0.0182
 Saturn -114406-02-12 03:50 J -40065326.56 -40065326.34 -40065326.11 0.0273 0.0167
 Neptune -114397-06-20 18:43 J -40061909.75 -40061909.72 -40061909.62 0.0089 0.0087
 Jupiter -114397-11-01 10:19 J -40061776.34 -40061776.07 -40061775.80 0.0529 0.0160
 Neptune -114395-05-16 01:55 J -40061215.53 -40061215.42 -40061215.24 0.0089 0.0078
 Saturn -114394-04-26 19:26 J -40060869.86 -40060869.69 -40060869.49 0.0294 0.0232
 Neptune -114393-04-09 12:00 J -40060521.18 -40060521.00 -40060520.79 0.0089 0.0068
 Neptune -114391-03-04 22:05 J -40059826.78 -40059826.58 -40059826.32 0.0089 0.0059
 Uranus -114391-06-10 01:26 J -40059729.57 -40059729.44 -40059729.26 0.0131 0.0115
 Neptune -114389-01-28 09:36 J -40059132.35 -40059132.10 -40059131.84 0.0089 0.0048
 Uranus -114389-05-11 18:14 J -40059027.94 -40059027.74 -40059027.51 0.0131 0.0097
 Neptune -114388-12-22 21:50 J -40058437.85 -40058437.59 -40058437.29 0.0089 0.0038
 Neptune -114386-11-17 12:29 J -40057743.26 -40057742.98 -40057742.67 0.0088 0.0027
 Neptune -114384-10-12 03:50 J -40057048.64 -40057048.34 -40057048.02 0.0088 0.0015

Neptune -114382-09-06 21:07 J -40056353.93 -40056353.62 -40056353.30 0.0088 0.0004
 Neptune -114380-08-01 16:05 J -40055659.14 -40055658.83 -40055658.51 0.0088 0.0008
 Saturn -114378-04-04 16:19 J -40055048.04 -40055047.82 -40055047.59 0.0268 0.0157
 Neptune -114378-06-27 11:46 J -40054964.31 -40054964.01 -40054963.69 0.0088 0.0019
 Pluto -114377-01-18 21:07 J -40054758.82 -40054758.62 -40054758.41 0.0080 0.0063
 Neptune -114376-05-22 09:50 J -40054269.38 -40054269.09 -40054268.78 0.0088 0.0031
 Neptune -114374-04-17 09:36 J -40053574.35 -40053574.10 -40053573.79 0.0088 0.0043
 Neptune -114372-03-12 11:17 J -40052879.26 -40052879.03 -40052878.76 0.0088 0.0054
 Neptune -114370-02-05 14:10 J -40052184.13 -40052183.91 -40052183.69 0.0088 0.0065
 Neptune -114369-12-31 18:43 J -40051488.88 -40051488.72 -40051488.55 0.0088 0.0076
 Neptune -114367-11-27 00:00 J -40050793.54 -40050793.50 -40050793.40 0.0088 0.0087
 Saturn -114364-06-18 17:02 J -40049859.09 -40049858.79 -40049858.49 0.0291 0.0027
 Uranus -114349-10-27 08:53 J -40044249.20 -40044249.13 -40044249.03 0.0148 0.0141
 Saturn -114348-05-21 23:17 J -40044042.81 -40044042.53 -40044042.25 0.0271 0.0014
 Saturn -114334-08-11 01:26 J -40038848.56 -40038848.44 -40038848.30 0.0288 0.0258
 Saturn -114318-07-10 02:53 J -40033036.57 -40033036.38 -40033036.17 0.0274 0.0198
 Neptune -114313-03-27 17:02 J -40031313.79 -40031313.79 -40031313.73 0.0089 0.0089
 Neptune -114311-02-21 03:36 J -40030618.47 -40030618.35 -40030618.16 0.0089 0.0078
 Neptune -114309-01-17 13:41 J -40029923.13 -40029922.93 -40029922.70 0.0089 0.0066
 Neptune -114308-12-12 21:36 J -40029227.82 -40029227.60 -40029227.32 0.0089 0.0055
 Uranus -114306-02-02 20:38 J -40028810.93 -40028810.64 -40028810.32 0.0131 0.0038
 Saturn -114306-09-22 02:38 J -40028579.62 -40028579.39 -40028579.15 0.0294 0.0185
 Neptune -114306-11-08 04:05 J -40028532.59 -40028532.33 -40028532.03 0.0089 0.0043
 Neptune -114304-10-03 08:24 J -40027837.43 -40027837.15 -40027836.83 0.0089 0.0031
 Neptune -114302-08-29 12:00 J -40027142.30 -40027142.00 -40027141.67 0.0089 0.0019
 Neptune -114300-07-24 14:24 J -40026447.21 -40026446.90 -40026446.58 0.0089 0.0007
 Neptune -114298-06-19 14:38 J -40025752.21 -40025751.89 -40025751.58 0.0089 0.0005
 Neptune -114296-05-14 12:58 J -40025057.26 -40025056.96 -40025056.64 0.0089 0.0017
 Jupiter -114296-07-03 23:02 J -40025006.79 -40025006.54 -40025006.29 0.0496 0.0157
 Neptune -114294-04-09 09:36 J -40024362.38 -40024362.10 -40024361.78 0.0089 0.0029

Neptune -114292-03-04 04:19 J -40023667.59 -40023667.32 -40023667.03 0.0089 0.0040
 Neptune -114290-01-27 21:22 J -40022972.85 -40022972.61 -40022972.34 0.0089 0.0051
 Saturn -114290-08-30 05:31 J -40022758.51 -40022758.27 -40022758.02 0.0269 0.0131
 Neptune -114289-12-22 13:26 J -40022278.13 -40022277.94 -40022277.69 0.0089 0.0062
 Neptune -114287-11-17 03:36 J -40021583.51 -40021583.35 -40021583.16 0.0089 0.0072
 Neptune -114285-10-11 16:19 J -40020888.92 -40020888.82 -40020888.69 0.0089 0.0082
 Jupiter -114278-04-20 01:41 J -40018507.64 -40018507.43 -40018507.22 0.0529 0.0346
 Saturn -114276-11-14 02:53 J -40017568.67 -40017568.38 -40017568.08 0.0290 0.0062
 Uranus -114264-06-23 05:17 J -40013329.56 -40013329.28 -40013328.98 0.0148 0.0034
 Jupiter -114260-04-07 11:17 J -40011945.24 -40011945.03 -40011944.82 0.0496 0.0309
 Saturn -114260-10-16 21:22 J -40011752.89 -40011752.61 -40011752.33 0.0271 0.0046
 Jupiter -114242-01-25 10:48 J -40005443.28 -40005443.05 -40005442.81 0.0530 0.0304
 Neptune -114232-12-29 04:05 J -40001452.44 -40001452.33 -40001452.20 0.0089 0.0081
 Neptune -114230-11-23 11:31 J -40000758.20 -40000758.02 -40000757.84 0.0089 0.0071
 Saturn -114230-12-04 15:22 J -40000747.01 -40000746.86 -40000746.68 0.0274 0.0225
 Neptune -114228-10-17 20:24 J -40000063.85 -40000063.65 -40000063.41 0.0089 0.0061
 Neptune -114226-09-12 06:43 J -39999369.44 -39999369.22 -39999368.94 0.0089 0.0051
 Neptune -114224-08-06 18:00 J -39998675.00 -39998674.75 -39998674.45 0.0089 0.0040
 Neptune -114222-07-02 07:12 J -39997980.50 -39997980.20 -39997979.91 0.0089 0.0028
 Uranus -114222-09-28 15:50 J -39997892.14 -39997891.84 -39997891.53 0.0131 0.0040
 Neptune -114220-05-26 21:50 J -39997285.89 -39997285.59 -39997285.27 0.0088 0.0017
 Neptune -114218-04-21 14:24 J -39996591.21 -39996590.90 -39996590.59 0.0088 0.0005
 Saturn -114217-02-17 12:58 J -39996289.22 -39996288.96 -39996288.69 0.0293 0.0147
 Neptune -114216-03-16 07:26 J -39995896.49 -39995896.19 -39995895.87 0.0088 0.0008
 Neptune -114214-02-09 02:38 J -39995201.68 -39995201.39 -39995201.07 0.0088 0.0020
 Neptune -114212-01-03 23:02 J -39994506.83 -39994506.54 -39994506.24 0.0088 0.0031
 Neptune -114211-11-29 20:24 J -39993811.92 -39993811.65 -39993811.36 0.0088 0.0043
 Neptune -114209-10-24 19:55 J -39993116.90 -39993116.67 -39993116.40 0.0088 0.0055
 Neptune -114207-09-19 21:36 J -39992421.78 -39992421.60 -39992421.36 0.0088 0.0067
 Neptune -114205-08-15 00:29 J -39991726.61 -39991726.48 -39991726.30 0.0088 0.0078

Saturn -114201-01-24 22:19 J -39990468.82 -39990468.57 -39990468.30 0.0269 0.0101
 Saturn -114187-04-11 11:46 J -39985278.29 -39985278.01 -39985277.73 0.0290 0.0108
 Uranus -114179-02-16 19:55 J -39982409.92 -39982409.67 -39982409.40 0.0148 0.0071
 Saturn -114171-03-13 02:53 J -39979463.65 -39979463.38 -39979463.10 0.0271 0.0067
 Neptune -114148-10-05 06:43 J -39970856.31 -39970856.22 -39970856.05 0.0089 0.0082
 Neptune -114146-08-31 17:31 J -39970160.94 -39970160.77 -39970160.54 0.0089 0.0070
 Neptune -114144-07-27 02:24 J -39969465.62 -39969465.40 -39969465.12 0.0089 0.0058
 Saturn -114143-05-04 01:55 J -39969184.53 -39969184.42 -39969184.29 0.0267 0.0241
 Neptune -114142-06-22 10:48 J -39968770.30 -39968770.05 -39968769.75 0.0089 0.0046
 Jupiter -114142-09-27 08:38 J -39968673.41 -39968673.14 -39968672.87 0.0496 0.0029
 Saturn -114141-04-30 01:41 J -39968457.53 -39968457.43 -39968457.31 0.0274 0.0253
 Neptune -114140-05-17 17:31 J -39968075.06 -39968074.77 -39968074.46 0.0089 0.0033
 Uranus -114139-06-21 21:22 J -39967674.81 -39967674.61 -39967674.37 0.0131 0.0094
 Neptune -114138-04-12 21:22 J -39967379.90 -39967379.61 -39967379.28 0.0089 0.0021
 Uranus -114137-05-23 12:43 J -39966973.08 -39966972.97 -39966972.81 0.0131 0.0119
 Neptune -114136-03-08 00:29 J -39966684.80 -39966684.48 -39966684.16 0.0089 0.0008
 Neptune -114134-02-01 02:10 J -39965989.73 -39965989.41 -39965989.09 0.0089 0.0004
 Neptune -114133-12-27 00:58 J -39965294.76 -39965294.46 -39965294.14 0.0089 0.0017
 Neptune -114131-11-21 22:48 J -39964599.83 -39964599.55 -39964599.24 0.0089 0.0029
 Pluto -114129-04-25 20:38 J -39964078.97 -39964078.64 -39964078.30 0.0080 0.0005
 Saturn -114129-07-14 14:38 J -39963999.17 -39963998.89 -39963998.61 0.0293 0.0106
 Neptune -114129-10-16 19:12 J -39963904.95 -39963904.70 -39963904.40 0.0089 0.0041
 Neptune -114127-09-11 14:24 J -39963210.15 -39963209.90 -39963209.65 0.0089 0.0052
 Neptune -114125-08-06 06:43 J -39962515.40 -39962515.22 -39962514.97 0.0089 0.0064
 Jupiter -114124-07-13 10:48 J -39962174.31 -39962174.05 -39962173.79 0.0530 0.0193
 Neptune -114123-07-01 23:31 J -39961820.67 -39961820.52 -39961820.33 0.0089 0.0074
 Neptune -114121-05-26 13:12 J -39961126.00 -39961125.95 -39961125.82 0.0089 0.0085
 Saturn -114113-06-19 20:10 J -39958179.92 -39958179.66 -39958179.38 0.0269 0.0085
 Jupiter -114106-07-01 14:24 J -39955612.03 -39955611.90 -39955611.75 0.0496 0.0422
 Saturn -114099-09-05 22:19 J -39952988.83 -39952988.57 -39952988.29 0.0290 0.0132

Uranus -114097-11-08 11:46 J -39952194.16 -39952194.01 -39952193.82 0.0148 0.0121
 Jupiter -114088-04-19 14:38 J -39949110.04 -39949109.89 -39949109.74 0.0529 0.0449
 Saturn -114083-08-07 04:19 J -39947174.59 -39947174.32 -39947174.05 0.0272 0.0090
 Neptune -114068-08-13 01:55 J -39941689.48 -39941689.42 -39941689.31 0.0089 0.0085
 Neptune -114066-07-08 09:22 J -39940995.25 -39940995.11 -39940994.93 0.0089 0.0075
 Neptune -114064-06-01 16:34 J -39940300.98 -39940300.81 -39940300.56 0.0089 0.0065
 Neptune -114062-04-27 02:24 J -39939606.64 -39939606.40 -39939606.15 0.0089 0.0053
 Neptune -114060-03-21 13:41 J -39938912.18 -39938911.93 -39938911.64 0.0089 0.0042
 Neptune -114058-02-14 01:12 J -39938217.72 -39938217.45 -39938217.14 0.0089 0.0031
 Neptune -114056-01-08 14:10 J -39937523.20 -39937522.91 -39937522.60 0.0089 0.0019
 Saturn -114055-09-27 18:43 J -39936895.85 -39936895.72 -39936895.58 0.0266 0.0231
 Neptune -114055-12-04 05:02 J -39936828.59 -39936828.29 -39936827.97 0.0088 0.0007
 Uranus -114054-02-14 17:02 J -39936756.11 -39936755.79 -39936755.48 0.0131 0.0016
 Saturn -114053-09-23 14:38 J -39936168.96 -39936168.89 -39936168.79 0.0274 0.0262
 Neptune -114053-10-28 21:36 J -39936133.91 -39936133.60 -39936133.28 0.0088 0.0006
 Neptune -114051-09-23 14:38 J -39935439.19 -39935438.89 -39935438.57 0.0088 0.0019
 Neptune -114049-08-18 09:50 J -39934744.36 -39934744.09 -39934743.77 0.0088 0.0032
 Neptune -114047-07-14 06:43 J -39934049.47 -39934049.22 -39934048.92 0.0088 0.0044
 Neptune -114045-06-08 05:02 J -39933354.51 -39933354.29 -39933354.02 0.0088 0.0056
 Neptune -114043-05-04 05:17 J -39932659.46 -39932659.28 -39932659.04 0.0088 0.0068
 Neptune -114041-03-29 07:26 J -39931964.30 -39931964.19 -39931964.01 0.0088 0.0079
 Saturn -114041-12-08 07:26 J -39931710.48 -39931710.19 -39931709.90 0.0293 0.0092
 Saturn -114025-11-13 13:41 J -39925891.20 -39925890.93 -39925890.66 0.0269 0.0068
 Jupiter -114023-03-18 13:55 J -39925401.11 -39925400.92 -39925400.73 0.0497 0.0355
 Uranus -114012-07-04 20:53 J -39921274.93 -39921274.63 -39921274.33 0.0148 0.0021
 Saturn -114010-01-30 18:58 J -39920699.95 -39920699.71 -39920699.44 0.0290 0.0152

114TH MILLENNIUM

BCE

This is a list of transits of Mars in the 114th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Saturn	-113995-12-31	11:02 J	-39914886.29	-39914886.04	-39914885.76	0.0271	0.0094	
Jupiter	-113988-12-21	01:12 J	-39912339.70	-39912339.45	-39912339.18	0.0496	0.0114	
Neptune	-113984-05-19	06:43 J	-39911094.28	-39911094.22	-39911094.11	0.0089	0.0086	
Neptune	-113982-04-14	18:58 J	-39910398.86	-39910398.71	-39910398.51	0.0089	0.0074	
Neptune	-113980-03-10	05:31 J	-39909703.47	-39909703.27	-39909703.00	0.0089	0.0062	
Neptune	-113978-02-03	14:24 J	-39909008.15	-39909007.90	-39909007.61	0.0089	0.0049	
Neptune	-113977-12-29	22:19 J	-39908312.85	-39908312.57	-39908312.26	0.0089	0.0036	
Neptune	-113975-11-25	04:34 J	-39907617.61	-39907617.31	-39907616.99	0.0089	0.0023	
Neptune	-113973-10-20	08:24 J	-39906922.47	-39906922.15	-39906921.83	0.0089	0.0010	
Neptune	-113971-09-15	10:34 J	-39906227.38	-39906227.06	-39906226.74	0.0089	0.0003	
Jupiter	-113970-10-07	15:07 J	-39905840.15	-39905839.87	-39905839.59	0.0529	0.0007	
Uranus	-113970-10-10	13:12 J	-39905837.23	-39905836.95	-39905836.67	0.0131	0.0062	
Neptune	-113969-08-10	11:46 J	-39905532.31	-39905532.01	-39905531.68	0.0089	0.0016	
Neptune	-113967-07-06	11:31 J	-39904837.31	-39904837.02	-39904836.72	0.0089	0.0028	
Saturn	-113966-02-21	04:05 J	-39904607.47	-39904607.33	-39904607.16	0.0266	0.0220	
Neptune	-113965-05-31	08:38 J	-39904142.40	-39904142.14	-39904141.84	0.0089	0.0041	
Saturn	-113964-02-16	21:50 J	-39903880.61	-39903880.59	-39903880.55	0.0274	0.0272	
Neptune	-113963-04-26	04:48 J	-39903447.53	-39903447.30	-39903447.03	0.0089	0.0053	
Neptune	-113961-03-20	22:48 J	-39902752.73	-39902752.55	-39902752.30	0.0089	0.0065	
Neptune	-113959-02-13	14:53 J	-39902058.01	-39902057.88	-39902057.69	0.0089	0.0076	

Neptune -113957-01-09 06:58 J -39901363.28 -39901363.21 -39901363.14 0.0089 0.0086
 Saturn -113952-05-03 10:19 J -39899422.36 -39899422.07 -39899421.78 0.0294 0.0085
 Saturn -113936-04-08 14:53 J -39893603.15 -39893602.88 -39893602.60 0.0268 0.0068
 Uranus -113927-02-28 09:50 J -39890355.32 -39890355.09 -39890354.82 0.0148 0.0082
 Saturn -113922-06-25 03:36 J -39888412.61 -39888412.35 -39888412.09 0.0291 0.0148
 Saturn -113906-05-26 11:17 J -39882598.28 -39882598.03 -39882597.76 0.0271 0.0101
 Neptune -113902-02-20 06:29 J -39881232.34 -39881232.23 -39881232.07 0.0089 0.0079
 Neptune -113900-01-14 14:24 J -39880538.08 -39880537.90 -39880537.69 0.0089 0.0068
 Neptune -113899-12-09 22:19 J -39879843.78 -39879843.57 -39879843.31 0.0089 0.0057
 Neptune -113897-11-03 07:12 J -39879149.44 -39879149.20 -39879148.92 0.0089 0.0045
 Neptune -113895-09-28 18:29 J -39878455.00 -39878454.73 -39878454.43 0.0089 0.0033
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 Pluto -113881-08-02 04:48 J -39873398.60 -39873398.30 -39873397.96 0.0080 0.0027
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 Saturn -113701-05-04 06:29 J -39807743.39 -39807743.23 -39807743.06 0.0265 0.0214
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Jupiter -113543-09-15 15:36 J -39749900.13 -39749899.85 -39749899.57 0.0530 0.0065
 Saturn -113524-02-21 22:34 J -39743165.75 -39743165.56 -39743165.35 0.0266 0.0183
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 Uranus -113256-08-11 16:05 J -39645108.08 -39645107.83 -39645107.55 0.0148 0.0068
 Jupiter -113252-05-19 11:46 J -39643731.11 -39643731.01 -39643730.91 0.0496 0.0457
 Neptune -113246-07-11 13:12 J -39641486.96 -39641486.95 -39641486.86 0.0089 0.0088
 Saturn -113245-07-18 20:24 J -39641113.95 -39641113.65 -39641113.34 0.0293 0.0033
 Neptune -113244-06-04 17:17 J -39640792.91 -39640792.78 -39640792.59 0.0089 0.0075
 Neptune -113242-04-29 23:02 J -39640098.73 -39640098.54 -39640098.30 0.0089 0.0062
 Neptune -113240-03-24 05:17 J -39639404.51 -39639404.28 -39639404.00 0.0089 0.0049
 Neptune -113238-02-16 12:43 J -39638710.24 -39638709.97 -39638709.68 0.0089 0.0035
 Neptune -113236-01-10 21:22 J -39638015.90 -39638015.61 -39638015.30 0.0089 0.0021
 Neptune -113235-12-06 07:26 J -39637321.49 -39637321.19 -39637320.88 0.0089 0.0007
 Jupiter -113234-03-03 15:22 J -39637234.07 -39637233.86 -39637233.65 0.0530 0.0343
 Neptune -113233-10-30 18:00 J -39636627.06 -39636626.75 -39636626.44 0.0089 0.0008
 Neptune -113231-09-25 06:29 J -39635932.52 -39635932.23 -39635931.92 0.0088 0.0023
 Saturn -113229-06-26 13:12 J -39635292.22 -39635291.95 -39635291.67 0.0269 0.0057
 Neptune -113229-08-19 20:38 J -39635237.91 -39635237.64 -39635237.35 0.0088 0.0037
 Neptune -113227-07-15 11:02 J -39634543.26 -39634543.04 -39634542.75 0.0088 0.0052
 Neptune -113225-06-09 04:05 J -39633848.51 -39633848.33 -39633848.09 0.0088 0.0066
 Pluto -113224-12-07 19:12 J -39633301.97 -39633301.70 -39633301.41 0.0064 0.0021
 Neptune -113223-05-04 23:46 J -39633153.62 -39633153.51 -39633153.34 0.0088 0.0080

Uranus -113216-12-15 19:55 J -39630371.94 -39630371.67 -39630371.37 0.0131 0.0053
 Saturn -113215-09-10 20:38 J -39630102.73 -39630102.64 -39630102.55 0.0291 0.0276
 Saturn -113201-08-18 01:26 J -39625012.54 -39625012.44 -39625012.33 0.0265 0.0245
 Saturn -113199-08-13 14:53 J -39624287.03 -39624286.88 -39624286.70 0.0271 0.0220
 Saturn -113187-10-20 23:02 J -39619835.77 -39619835.54 -39619835.31 0.0296 0.0191
 Uranus -113173-05-03 17:02 J -39614891.95 -39614891.79 -39614891.58 0.0148 0.0118
 Saturn -113171-10-04 16:05 J -39614008.09 -39614007.83 -39614007.55 0.0267 0.0088
 Jupiter -113169-02-03 21:22 J -39613520.79 -39613520.61 -39613520.42 0.0497 0.0361
 Neptune -113162-04-14 00:29 J -39610894.48 -39610894.48 -39610894.44 0.0089 0.0088
 Neptune -113160-03-09 15:22 J -39610199.01 -39610198.86 -39610198.65 0.0089 0.0074
 Neptune -113158-02-03 05:31 J -39609503.48 -39609503.27 -39609502.99 0.0089 0.0059
 Saturn -113157-12-13 13:26 J -39608824.24 -39608823.94 -39608823.64 0.0293 0.0063
 Neptune -113157-12-29 18:43 J -39608807.99 -39608807.72 -39608807.42 0.0089 0.0043
 Neptune -113155-11-25 06:00 J -39608112.56 -39608112.25 -39608111.94 0.0089 0.0027
 Neptune -113153-10-20 14:53 J -39607417.19 -39607416.88 -39607416.55 0.0089 0.0012
 Neptune -113151-09-15 23:31 J -39606721.84 -39606721.52 -39606721.20 0.0089 0.0004
 Neptune -113149-08-11 05:31 J -39606026.57 -39606026.27 -39606025.94 0.0089 0.0020
 Neptune -113147-07-07 10:19 J -39605331.34 -39605331.07 -39605330.75 0.0089 0.0035
 Neptune -113145-06-01 14:38 J -39604636.16 -39604635.89 -39604635.63 0.0089 0.0049
 Neptune -113143-04-27 15:22 J -39603941.06 -39603940.86 -39603940.62 0.0089 0.0064
 Neptune -113141-03-22 14:10 J -39603246.03 -39603245.91 -39603245.74 0.0089 0.0078
 Saturn -113141-11-20 06:58 J -39603003.48 -39603003.21 -39603002.93 0.0268 0.0066
 Jupiter -113134-11-08 10:19 J -39600459.33 -39600459.07 -39600458.80 0.0496 0.0119
 Uranus -113131-08-10 23:17 J -39599452.83 -39599452.53 -39599452.22 0.0131 0.0031
 Jupiter -113116-08-20 10:34 J -39593964.33 -39593964.06 -39593963.79 0.0529 0.0130
 Saturn -113112-01-11 22:19 J -39592723.69 -39592723.57 -39592723.41 0.0265 0.0228
 Saturn -113110-01-07 11:17 J -39591998.16 -39591998.03 -39591997.89 0.0271 0.0238
 Saturn -113098-03-17 00:14 J -39587546.73 -39587546.49 -39587546.24 0.0296 0.0172
 Uranus -113089-12-29 00:00 J -39583971.80 -39583971.50 -39583971.20 0.0148 0.0001
 Saturn -113082-02-28 03:07 J -39581719.63 -39581719.37 -39581719.10 0.0266 0.0083

Neptune -113080-01-17 11:31 J -39581030.11 -39581030.02 -39581029.87 0.0089 0.0081
 Neptune -113079-12-12 15:50 J -39580336.04 -39580335.84 -39580335.65 0.0089 0.0067
 Neptune -113077-11-05 20:38 J -39579641.85 -39579641.64 -39579641.37 0.0089 0.0054
 Neptune -113075-10-01 02:53 J -39578947.63 -39578947.38 -39578947.09 0.0089 0.0040
 Neptune -113073-08-25 09:36 J -39578253.37 -39578253.10 -39578252.79 0.0089 0.0026
 Neptune -113071-07-20 18:14 J -39577559.04 -39577558.74 -39577558.43 0.0089 0.0011
 Neptune -113069-06-14 04:34 J -39576864.61 -39576864.31 -39576864.00 0.0089 0.0004
 Saturn -113068-05-08 17:02 J -39576536.08 -39576535.79 -39576535.48 0.0294 0.0072
 Neptune -113067-05-09 15:07 J -39576170.15 -39576169.87 -39576169.55 0.0089 0.0020
 Neptune -113065-04-03 03:50 J -39575475.60 -39575475.34 -39575475.03 0.0088 0.0035
 Neptune -113063-02-26 18:43 J -39574780.97 -39574780.72 -39574780.45 0.0088 0.0049
 Neptune -113061-01-22 09:22 J -39574086.30 -39574086.11 -39574085.87 0.0088 0.0064
 Neptune -113060-12-17 02:24 J -39573391.54 -39573391.40 -39573391.25 0.0088 0.0078
 Saturn -113052-04-15 17:46 J -39570715.03 -39570714.76 -39570714.49 0.0269 0.0079
 Uranus -113048-05-04 20:24 J -39569234.84 -39569234.65 -39569234.42 0.0131 0.0097
 Uranus -113046-04-06 03:50 J -39568533.47 -39568533.34 -39568533.18 0.0131 0.0115
 Saturn -113024-06-07 04:34 J -39560435.44 -39560435.31 -39560435.16 0.0264 0.0225
 Saturn -113022-06-02 12:14 J -39559710.12 -39559709.99 -39559709.84 0.0270 0.0236
 Jupiter -113015-04-29 20:10 J -39557186.90 -39557186.66 -39557186.41 0.0496 0.0199
 Saturn -113010-08-09 10:19 J -39555259.32 -39555259.07 -39555258.82 0.0297 0.0172
 Uranus -113004-08-24 21:07 J -39553051.81 -39553051.62 -39553051.41 0.0148 0.0110

113TH MILLENNIUM BCE

This is a list of transits of Mars in the 113th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-112997-10-21 03:22 J	-39550437.46	-39550437.36	-39550437.19	0.0089	0.0081		
Neptune	-112995-09-16 18:29 J	-39549741.93	-39549741.73	-39549741.48	0.0089	0.0065		
Saturn	-112994-07-24 07:55 J	-39549431.44	-39549431.17	-39549430.90	0.0266	0.0074		
Neptune	-112993-08-12 08:38 J	-39549046.40	-39549046.14	-39549045.85	0.0089	0.0049		
Neptune	-112991-07-08 21:36 J	-39548350.89	-39548350.60	-39548350.28	0.0089	0.0033		
Neptune	-112989-06-03 08:53 J	-39547655.44	-39547655.13	-39547654.80	0.0089	0.0017		
Neptune	-112987-04-29 18:29 J	-39546960.06	-39546959.73	-39546959.41	0.0089	0.0000		
Neptune	-112985-03-25 02:10 J	-39546264.71	-39546264.41	-39546264.08	0.0089	0.0016		
Neptune	-112983-02-18 08:24 J	-39545569.43	-39545569.15	-39545568.83	0.0089	0.0032		
Neptune	-112981-01-14 12:43 J	-39544874.22	-39544873.97	-39544873.68	0.0089	0.0047		
Saturn	-112980-10-01 14:10 J	-39544248.21	-39544247.91	-39544247.61	0.0294	0.0072		
Neptune	-112980-12-09 16:05 J	-39544179.05	-39544178.83	-39544178.59	0.0089	0.0062		
Jupiter	-112979-02-01 17:31 J	-39544124.99	-39544124.77	-39544124.56	0.0495	0.0299		
Neptune	-112978-11-04 17:02 J	-39543483.92	-39543483.79	-39543483.61	0.0089	0.0077		
Pluto	-112975-03-17 03:07 J	-39542620.66	-39542620.37	-39542620.06	0.0064	0.0007		
Saturn	-112964-09-08 17:46 J	-39538427.03	-39538426.76	-39538426.49	0.0268	0.0076		
Uranus	-112964-12-28 22:48 J	-39538315.86	-39538315.55	-39538315.23	0.0131	0.0014		
Jupiter	-112962-11-15 14:10 J	-39537629.17	-39537628.91	-39537628.63	0.0530	0.0133		
Saturn	-112936-10-31 06:14 J	-39528147.38	-39528147.24	-39528147.07	0.0264	0.0220		
Saturn	-112934-10-26 11:46 J	-39527422.13	-39527422.01	-39527421.88	0.0270	0.0241		
Saturn	-112921-01-01 20:10 J	-39522971.90	-39522971.66	-39522971.41	0.0297	0.0179		
Uranus	-112921-05-16 13:12 J	-39522836.19	-39522835.95	-39522835.68	0.0148	0.0083		
Neptune	-112917-09-01 04:48 J	-39521267.34	-39521267.30	-39521267.22	0.0089	0.0087		
Neptune	-112915-07-27 08:10 J	-39520573.30	-39520573.16	-39520572.96	0.0089	0.0074		
Neptune	-112913-06-20 11:31 J	-39519879.21	-39519879.02	-39519878.77	0.0089	0.0060		
Neptune	-112911-05-15 17:02 J	-39519185.03	-39519184.79	-39519184.51	0.0089	0.0045		

Neptune -112909-04-09 00:14 J -39518490.77 -39518490.49 -39518490.20 0.0089 0.0030
 Neptune -112907-03-04 07:12 J -39517796.49 -39517796.20 -39517795.89 0.0089 0.0016
 Saturn -112906-12-17 09:36 J -39517143.36 -39517143.10 -39517142.82 0.0265 0.0076
 Neptune -112905-01-27 15:50 J -39517102.14 -39517101.84 -39517101.53 0.0089 0.0000
 Neptune -112904-12-22 01:55 J -39516407.71 -39516407.42 -39516407.11 0.0088 0.0015
 Neptune -112902-11-16 12:58 J -39515713.24 -39515712.96 -39515712.66 0.0088 0.0031
 Neptune -112900-10-11 00:58 J -39515018.70 -39515018.46 -39515018.17 0.0088 0.0047
 Neptune -112898-09-05 15:36 J -39514324.05 -39514323.85 -39514323.61 0.0088 0.0062
 Neptune -112896-07-31 06:43 J -39513629.34 -39513629.22 -39513629.03 0.0088 0.0077
 Saturn -112891-02-23 05:46 J -39511961.56 -39511961.26 -39511960.96 0.0295 0.0064
 Uranus -112879-08-24 00:14 J -39507396.74 -39507396.49 -39507396.20 0.0131 0.0069
 Saturn -112875-02-01 16:48 J -39506139.06 -39506138.80 -39506138.52 0.0268 0.0080
 Saturn -112861-04-16 17:46 J -39500950.79 -39500950.76 -39500950.73 0.0292 0.0290
 Jupiter -112861-07-24 14:24 J -39500852.17 -39500851.90 -39500851.63 0.0496 0.0012
 Saturn -112847-03-26 09:50 J -39495859.23 -39495859.09 -39495858.92 0.0264 0.0219
 Saturn -112845-03-20 11:31 J -39495134.15 -39495134.02 -39495133.88 0.0269 0.0236
 Jupiter -112843-05-05 08:53 J -39494358.36 -39494358.13 -39494357.90 0.0530 0.0285
 Uranus -112836-01-10 05:02 J -39491916.59 -39491916.29 -39491915.99 0.0148 0.0023
 Saturn -112833-05-25 07:41 J -39490685.41 -39490685.18 -39490684.93 0.0297 0.0188
 Neptune -112833-06-03 12:58 J -39490675.97 -39490675.96 -39490675.87 0.0089 0.0088
 Neptune -112831-04-30 06:29 J -39489980.40 -39489980.23 -39489980.01 0.0089 0.0072
 Neptune -112829-03-25 21:50 J -39489284.81 -39489284.59 -39489284.30 0.0089 0.0056
 Neptune -112827-02-19 12:00 J -39488589.27 -39488589.00 -39488588.68 0.0089 0.0039
 Neptune -112825-01-16 01:12 J -39487893.75 -39487893.45 -39487893.12 0.0089 0.0022
 Neptune -112824-12-11 12:29 J -39487198.30 -39487197.98 -39487197.65 0.0089 0.0005
 Neptune -112822-11-06 21:22 J -39486502.93 -39486502.61 -39486502.28 0.0089 0.0012
 Neptune -112820-10-02 04:48 J -39485807.59 -39485807.30 -39485806.98 0.0089 0.0028
 Neptune -112818-08-28 11:17 J -39485112.29 -39485112.03 -39485111.73 0.0089 0.0044
 Saturn -112817-05-11 09:07 J -39484855.38 -39484855.12 -39484854.84 0.0266 0.0072
 Neptune -112816-07-23 15:36 J -39484417.07 -39484416.85 -39484416.60 0.0089 0.0060

Neptune -112814-06-18 18:58 J -39483721.87 -39483721.71 -39483721.53 0.0089 0.0075
 Jupiter -112807-02-09 14:38 J -39481294.08 -39481293.89 -39481293.70 0.0530 0.0385
 Saturn -112803-07-18 11:31 J -39479674.32 -39479674.02 -39479673.71 0.0295 0.0054
 Uranus -112796-05-17 17:31 J -39477179.04 -39477178.77 -39477178.49 0.0131 0.0061
 Saturn -112787-06-27 21:36 J -39473850.86 -39473850.60 -39473850.32 0.0267 0.0081
 Saturn -112773-09-08 12:29 J -39468664.03 -39468663.98 -39468663.91 0.0292 0.0286
 Saturn -112759-08-19 12:58 J -39463571.10 -39463570.96 -39463570.77 0.0264 0.0213
 Saturn -112757-08-13 13:55 J -39462846.04 -39462845.92 -39462845.80 0.0270 0.0243
 Uranus -112752-09-06 06:00 J -39460996.36 -39460996.25 -39460996.12 0.0148 0.0136
 Neptune -112751-03-11 02:53 J -39460810.48 -39460810.38 -39460810.22 0.0089 0.0080
 Neptune -112749-02-03 06:58 J -39460116.38 -39460116.21 -39460115.98 0.0089 0.0066
 Neptune -112748-12-28 10:48 J -39459422.27 -39459422.05 -39459421.78 0.0089 0.0051
 Neptune -112746-11-22 15:36 J -39458728.11 -39458727.85 -39458727.55 0.0089 0.0036
 Saturn -112745-10-17 19:55 J -39458397.89 -39458397.67 -39458397.43 0.0297 0.0192
 Neptune -112744-10-16 22:34 J -39458033.85 -39458033.56 -39458033.26 0.0089 0.0020
 Jupiter -112742-01-14 06:58 J -39457579.43 -39457579.21 -39457578.99 0.0496 0.0284
 Neptune -112742-09-11 05:17 J -39457339.58 -39457339.28 -39457338.97 0.0089 0.0005
 Neptune -112740-08-05 12:58 J -39456645.25 -39456644.96 -39456644.64 0.0088 0.0012
 Neptune -112738-06-30 23:17 J -39455950.82 -39455950.53 -39455950.24 0.0088 0.0027
 Neptune -112736-05-25 10:34 J -39455256.31 -39455256.06 -39455255.77 0.0088 0.0043
 Neptune -112734-04-19 23:02 J -39454561.75 -39454561.54 -39454561.29 0.0088 0.0059
 Neptune -112732-03-14 13:26 J -39453867.07 -39453866.94 -39453866.74 0.0088 0.0075
 Saturn -112729-10-04 21:50 J -39452566.86 -39452566.59 -39452566.31 0.0265 0.0064
 Pluto -112727-06-24 09:22 J -39451939.39 -39451939.11 -39451938.81 0.0064 0.0013
 Saturn -112715-12-10 15:50 J -39447387.14 -39447386.84 -39447386.54 0.0295 0.0056
 Uranus -112711-01-10 17:17 J -39446260.08 -39446259.78 -39446259.46 0.0131 0.0021
 Jupiter -112707-10-19 03:50 J -39444517.58 -39444517.34 -39444517.09 0.0495 0.0212
 Saturn -112699-11-21 06:29 J -39441562.49 -39441562.23 -39441561.96 0.0268 0.0091
 Jupiter -112689-07-29 23:17 J -39438023.81 -39438023.53 -39438023.25 0.0530 0.0056
 Saturn -112684-02-01 12:43 J -39436376.01 -39436375.97 -39436375.90 0.0292 0.0286

Saturn -112670-01-13 08:24 J -39431282.32 -39431282.15 -39431281.95 0.0264 0.0199
 Uranus -112669-05-29 03:50 J -39430780.61 -39430780.34 -39430780.04 0.0148 0.0051
 Saturn -112668-01-07 09:07 J -39430557.20 -39430557.12 -39430557.01 0.0269 0.0253
 Neptune -112668-12-11 17:02 J -39430218.92 -39430218.79 -39430218.63 0.0089 0.0079
 Neptune -112666-11-07 09:07 J -39429523.32 -39429523.12 -39429522.86 0.0089 0.0063
 Neptune -112664-10-03 00:29 J -39428827.73 -39428827.48 -39428827.16 0.0089 0.0046
 Neptune -112662-08-29 14:38 J -39428132.19 -39428131.89 -39428131.57 0.0089 0.0028
 Neptune -112660-07-25 03:36 J -39427436.67 -39427436.35 -39427436.02 0.0089 0.0011
 Neptune -112658-06-20 15:22 J -39426741.18 -39426740.86 -39426740.54 0.0089 0.0007
 Saturn -112656-03-12 14:10 J -39426110.14 -39426109.91 -39426109.65 0.0297 0.0180
 Neptune -112656-05-16 00:43 J -39426045.77 -39426045.47 -39426045.15 0.0089 0.0024
 Neptune -112654-04-11 07:55 J -39425350.44 -39425350.17 -39425349.87 0.0089 0.0041
 Neptune -112652-03-06 14:38 J -39424655.12 -39424654.89 -39424654.63 0.0089 0.0057
 Neptune -112650-01-30 18:58 J -39423959.88 -39423959.71 -39423959.52 0.0089 0.0073
 Neptune -112649-12-25 21:36 J -39423264.60 -39423264.60 -39423264.58 0.0089 0.0089
 Saturn -112640-02-28 12:14 J -39420278.26 -39420277.99 -39420277.71 0.0266 0.0051
 Uranus -112629-10-04 12:00 J -39416042.17 -39416042.00 -39416041.82 0.0131 0.0109
 Uranus -112627-09-05 17:17 J -39415340.96 -39415340.78 -39415340.58 0.0131 0.0104
 Saturn -112626-05-06 06:29 J -39415098.53 -39415098.23 -39415097.93 0.0294 0.0067
 Saturn -112610-04-17 09:22 J -39409273.36 -39409273.11 -39409272.84 0.0268 0.0109
 Jupiter -112588-04-09 07:12 J -39401245.46 -39401245.20 -39401244.93 0.0496 0.0117
 Neptune -112588-10-23 23:31 J -39401047.55 -39401047.52 -39401047.42 0.0089 0.0087
 Neptune -112586-09-18 01:41 J -39400353.58 -39400353.43 -39400353.23 0.0089 0.0072
 Uranus -112584-01-23 10:19 J -39399860.33 -39399860.07 -39399859.79 0.0148 0.0067
 Neptune -112584-08-12 05:17 J -39399659.49 -39399659.28 -39399659.03 0.0089 0.0057
 Saturn -112582-06-09 04:19 J -39398993.51 -39398993.32 -39398993.11 0.0264 0.0184
 Neptune -112582-07-07 09:22 J -39398965.35 -39398965.11 -39398964.82 0.0089 0.0042
 Neptune -112580-05-31 13:55 J -39398271.19 -39398270.92 -39398270.61 0.0089 0.0026
 Neptune -112578-04-25 21:07 J -39397576.91 -39397576.62 -39397576.31 0.0089 0.0010
 Neptune -112576-03-20 05:02 J -39396882.59 -39396882.29 -39396881.98 0.0089 0.0007

Neptune -112574-02-12 13:12 J -39396188.24 -39396187.95 -39396187.65 0.0088 0.0023
 Neptune -112572-01-06 22:34 J -39395493.81 -39395493.56 -39395493.26 0.0088 0.0040
 Neptune -112571-12-02 10:19 J -39394799.29 -39394799.07 -39394798.81 0.0088 0.0056
 Jupiter -112570-01-16 20:24 J -39394753.67 -39394753.65 -39394753.62 0.0530 0.0527
 Neptune -112569-10-26 22:34 J -39394104.72 -39394104.56 -39394104.35 0.0088 0.0072
 Saturn -112568-08-06 20:24 J -39393820.89 -39393820.65 -39393820.37 0.0297 0.0159
 Neptune -112567-09-21 12:43 J -39393409.98 -39393409.97 -39393409.89 0.0088 0.0088
 Jupiter -112552-01-12 05:31 J -39388183.44 -39388183.27 -39388183.10 0.0495 0.0387
 Saturn -112552-07-25 22:05 J -39387988.86 -39387988.58 -39387988.30 0.0266 0.0027
 Uranus -112544-05-30 12:43 J -39385123.26 -39385122.97 -39385122.65 0.0131 0.0026
 Saturn -112538-09-30 12:00 J -39382809.28 -39382809.00 -39382808.70 0.0294 0.0099
 Jupiter -112535-10-23 16:48 J -39381690.06 -39381689.80 -39381689.53 0.0531 0.0130
 Saturn -112522-09-11 13:55 J -39376984.15 -39376983.92 -39376983.66 0.0268 0.0130
 Neptune -112504-07-25 04:05 J -39370457.38 -39370457.33 -39370457.27 0.0089 0.0087
 Neptune -112502-06-20 21:07 J -39369761.80 -39369761.62 -39369761.39 0.0089 0.0070
 Uranus -112502-10-16 05:17 J -39369644.43 -39369644.28 -39369644.08 0.0148 0.0122
 Neptune -112500-05-16 14:24 J -39369066.17 -39369065.90 -39369065.63 0.0089 0.0052
 Neptune -112498-04-12 05:46 J -39368370.54 -39368370.26 -39368369.93 0.0089 0.0035
 Neptune -112496-03-07 19:41 J -39367674.99 -39367674.68 -39367674.35 0.0089 0.0017
 Neptune -112494-02-01 08:24 J -39366979.47 -39366979.15 -39366978.82 0.0089 0.0002
 Saturn -112494-11-03 19:12 J -39366703.92 -39366703.70 -39366703.47 0.0265 0.0156
 Neptune -112493-12-27 19:26 J -39366284.00 -39366283.69 -39366283.36 0.0089 0.0019
 Neptune -112491-11-23 04:19 J -39365588.60 -39365588.32 -39365588.01 0.0089 0.0037
 Neptune -112489-10-18 11:17 J -39364893.26 -39364893.03 -39364892.75 0.0089 0.0054
 Neptune -112487-09-13 17:02 J -39364197.95 -39364197.79 -39364197.56 0.0089 0.0071
 Neptune -112485-08-08 21:50 J -39363502.62 -39363502.59 -39363502.49 0.0089 0.0087
 Saturn -112479-01-01 21:07 J -39361530.90 -39361530.62 -39361530.33 0.0296 0.0116
 Pluto -112479-10-01 19:41 J -39361257.94 -39361257.68 -39361257.37 0.0064 0.0021
 Jupiter -112470-09-28 18:14 J -39357973.79 -39357973.74 -39357973.68 0.0496 0.0484
 Saturn -112464-12-20 06:00 J -39355699.53 -39355699.25 -39355698.97 0.0266 0.0006

Uranus -112459-01-23 12:00 J -39354204.27 -39354204.00 -39354203.70 0.0131 0.0057
 Saturn -112449-02-25 19:26 J -39350518.96 -39350518.69 -39350518.41 0.0294 0.0133
 Jupiter -112434-07-03 19:26 J -39344911.97 -39344911.69 -39344911.42 0.0496 0.0028
 Saturn -112433-02-06 10:19 J -39344694.28 -39344694.07 -39344693.83 0.0269 0.0161
 Neptune -112422-05-03 00:00 J -39340590.61 -39340590.50 -39340590.33 0.0089 0.0079
 Neptune -112420-03-27 02:38 J -39339896.59 -39339896.39 -39339896.18 0.0089 0.0063
 Neptune -112418-02-19 06:00 J -39339202.48 -39339202.25 -39339201.97 0.0089 0.0048
 Uranus -112417-06-11 04:19 J -39338724.62 -39338724.32 -39338724.01 0.0148 0.0012
 Neptune -112416-01-13 10:48 J -39338508.32 -39338508.05 -39338507.75 0.0089 0.0032
 Jupiter -112416-04-11 00:00 J -39338420.69 -39338420.50 -39338420.31 0.0530 0.0386
 Neptune -112415-12-08 15:22 J -39337814.16 -39337813.86 -39337813.56 0.0089 0.0015
 Neptune -112413-11-01 21:36 J -39337119.90 -39337119.60 -39337119.29 0.0089 0.0003
 Neptune -112411-09-27 05:02 J -39336425.58 -39336425.29 -39336424.98 0.0088 0.0019
 Neptune -112409-08-21 12:43 J -39335731.22 -39335730.97 -39335730.66 0.0088 0.0036
 Neptune -112407-07-16 22:48 J -39335036.79 -39335036.55 -39335036.29 0.0088 0.0052
 Saturn -112405-03-30 03:22 J -39334414.59 -39334414.36 -39334414.11 0.0265 0.0136
 Neptune -112405-06-10 10:19 J -39334342.23 -39334342.07 -39334341.85 0.0088 0.0069
 Neptune -112403-05-06 00:00 J -39333647.57 -39333647.50 -39333647.39 0.0088 0.0085
 Saturn -112391-05-30 07:41 J -39329240.47 -39329240.18 -39329239.87 0.0296 0.0079
 Jupiter -112380-01-15 07:26 J -39325357.44 -39325357.19 -39325356.94 0.0530 0.0244
 Uranus -112377-10-17 06:14 J -39323986.48 -39323986.24 -39323985.97 0.0131 0.0074
 Saturn -112375-05-17 00:14 J -39323409.77 -39323409.49 -39323409.21 0.0267 0.0025
 Saturn -112361-07-23 08:38 J -39318228.38 -39318228.14 -39318227.89 0.0294 0.0178
 Saturn -112347-07-09 06:29 J -39313129.25 -39313129.23 -39313129.18 0.0263 0.0261
 Saturn -112345-07-02 18:14 J -39312404.93 -39312404.74 -39312404.52 0.0269 0.0181
 Neptune -112338-02-01 09:36 J -39310000.24 -39310000.10 -39309999.93 0.0089 0.0078
 Neptune -112337-12-28 03:07 J -39309304.59 -39309304.37 -39309304.11 0.0089 0.0060
 Neptune -112335-11-23 19:12 J -39308608.97 -39308608.70 -39308608.38 0.0089 0.0042
 Neptune -112333-10-19 11:17 J -39307913.34 -39307913.03 -39307912.71 0.0089 0.0023
 Uranus -112332-02-04 18:00 J -39307804.96 -39307804.75 -39307804.49 0.0148 0.0094

Neptune -112331-09-15 00:58 J -39307217.78 -39307217.46 -39307217.12 0.0089 0.0005
 Neptune -112329-08-10 13:26 J -39306522.26 -39306521.94 -39306521.61 0.0089 0.0014
 Neptune -112327-07-07 00:58 J -39305826.76 -39305826.46 -39305826.15 0.0089 0.0032
 Neptune -112325-06-01 10:48 J -39305131.31 -39305131.05 -39305130.78 0.0089 0.0050
 Neptune -112323-04-27 17:31 J -39304435.95 -39304435.77 -39304435.54 0.0089 0.0068
 Neptune -112321-03-22 22:48 J -39303740.60 -39303740.55 -39303740.41 0.0089 0.0085
 Saturn -112317-08-24 19:26 J -39302124.94 -39302124.69 -39302124.43 0.0265 0.0108
 Jupiter -112316-12-22 01:26 J -39301640.63 -39301640.44 -39301640.25 0.0496 0.0355
 Saturn -112303-10-25 18:58 J -39296950.01 -39296949.71 -39296949.40 0.0296 0.0039
 Uranus -112292-06-12 01:41 J -39293067.74 -39293067.43 -39293067.11 0.0131 0.0006
 Saturn -112287-10-11 05:17 J -39291120.56 -39291120.28 -39291120.00 0.0266 0.0040
 Jupiter -112280-09-25 16:48 J -39288579.06 -39288578.80 -39288578.53 0.0496 0.0139
 Saturn -112273-12-18 04:05 J -39285938.53 -39285938.33 -39285938.09 0.0294 0.0205
 Jupiter -112262-07-04 23:31 J -39282087.76 -39282087.52 -39282087.28 0.0530 0.0253
 Saturn -112259-12-03 16:48 J -39280839.91 -39280839.80 -39280839.67 0.0264 0.0238
 Neptune -112259-12-16 01:41 J -39280827.50 -39280827.43 -39280827.34 0.0089 0.0085
 Neptune -112257-11-09 02:53 J -39280133.54 -39280133.38 -39280133.17 0.0089 0.0070
 Saturn -112257-11-27 05:02 J -39280115.46 -39280115.29 -39280115.10 0.0269 0.0205
 Neptune -112255-10-04 04:48 J -39279439.52 -39279439.30 -39279439.04 0.0089 0.0054
 Neptune -112253-08-28 07:41 J -39278745.42 -39278745.18 -39278744.88 0.0089 0.0038
 Neptune -112251-07-23 12:43 J -39278051.25 -39278050.97 -39278050.66 0.0089 0.0021
 Uranus -112250-10-28 04:34 J -39277589.53 -39277589.31 -39277589.09 0.0148 0.0101
 Neptune -112249-06-16 17:46 J -39277357.06 -39277356.76 -39277356.46 0.0089 0.0003
 Neptune -112247-05-12 00:00 J -39276662.80 -39276662.50 -39276662.20 0.0089 0.0014
 Neptune -112245-04-05 07:55 J -39275968.43 -39275968.17 -39275967.86 0.0088 0.0032
 Saturn -112244-01-26 07:26 J -39275672.32 -39275672.19 -39275672.06 0.0298 0.0269
 Neptune -112243-02-28 17:02 J -39275274.05 -39275273.79 -39275273.53 0.0088 0.0048
 Neptune -112241-01-24 02:38 J -39274579.60 -39274579.39 -39274579.19 0.0088 0.0065
 Neptune -112240-12-18 13:55 J -39273885.02 -39273884.92 -39273884.79 0.0088 0.0082
 Pluto -112230-01-09 04:48 J -39270576.53 -39270576.30 -39270576.02 0.0064 0.0032

Saturn -112228-01-18 19:12 J -39269835.95 -39269835.70 -39269835.43 0.0265 0.0098
 Jupiter -112226-04-11 05:46 J -39269023.41 -39269023.26 -39269023.09 0.0531 0.0437
 Saturn -112214-03-21 22:05 J -39264660.89 -39264660.58 -39264660.27 0.0296 0.0018
 Uranus -112209-03-05 16:19 J -39262849.88 -39262849.82 -39262849.73 0.0132 0.0128
 Uranus -112207-02-04 18:58 J -39262148.92 -39262148.71 -39262148.45 0.0131 0.0085
 Saturn -112198-03-07 07:12 J -39258831.47 -39258831.20 -39258830.93 0.0267 0.0059
 Saturn -112184-05-14 13:41 J -39253649.12 -39253648.93 -39253648.73 0.0294 0.0226
 Neptune -112175-09-14 23:02 J -39250238.61 -39250238.54 -39250238.45 0.0089 0.0086
 Neptune -112173-08-10 17:17 J -39249542.96 -39249542.78 -39249542.53 0.0089 0.0068
 Neptune -112171-07-07 11:02 J -39248847.29 -39248847.04 -39248846.74 0.0089 0.0049
 Saturn -112170-04-29 09:36 J -39248551.21 -39248551.10 -39248550.95 0.0263 0.0231
 Neptune -112169-06-02 03:22 J -39248151.65 -39248151.36 -39248151.03 0.0089 0.0030
 Saturn -112168-04-22 18:43 J -39247826.88 -39247826.72 -39247826.53 0.0268 0.0209
 Neptune -112167-04-28 19:12 J -39247456.02 -39247455.70 -39247455.37 0.0089 0.0011
 Neptune -112165-03-24 09:07 J -39246760.44 -39246760.12 -39246759.78 0.0089 0.0009
 Uranus -112165-06-23 03:36 J -39246669.66 -39246669.35 -39246669.05 0.0148 0.0010
 Neptune -112163-02-17 21:22 J -39246064.92 -39246064.61 -39246064.30 0.0089 0.0027
 Neptune -112161-01-14 07:55 J -39245369.43 -39245369.17 -39245368.88 0.0089 0.0046
 Jupiter -112161-03-16 12:29 J -39245307.22 -39245306.98 -39245306.73 0.0496 0.0212
 Neptune -112160-12-09 17:17 J -39244673.99 -39244673.78 -39244673.55 0.0089 0.0064
 Neptune -112158-11-05 00:00 J -39243978.60 -39243978.50 -39243978.35 0.0089 0.0082
 Saturn -112156-06-21 14:24 J -39243384.05 -39243383.90 -39243383.74 0.0298 0.0258
 Saturn -112140-06-14 11:46 J -39237547.28 -39237547.01 -39237546.75 0.0265 0.0083
 Saturn -112126-08-15 14:38 J -39232372.20 -39232371.89 -39232371.58 0.0296 0.0008
 Jupiter -112126-12-20 12:43 J -39232245.18 -39232244.97 -39232244.75 0.0495 0.0301
 Uranus -112125-10-29 08:53 J -39231931.42 -39231931.13 -39231930.84 0.0131 0.0049
 Saturn -112110-07-31 15:22 J -39226543.12 -39226542.86 -39226542.58 0.0266 0.0061
 Jupiter -112108-09-28 13:26 J -39225753.21 -39225752.94 -39225752.66 0.0530 0.0022
 Saturn -112096-10-07 05:31 J -39221361.46 -39221361.27 -39221361.07 0.0294 0.0228
 Neptune -112093-06-24 03:50 J -39220370.45 -39220370.34 -39220370.15 0.0089 0.0077

Neptune -112091-05-19 06:29 J -39219676.44 -39219676.23 -39219676.00 0.0089 0.0060
 Neptune -112089-04-12 08:10 J -39218982.40 -39218982.16 -39218981.87 0.0089 0.0044
 Neptune -112087-03-07 11:46 J -39218288.28 -39218288.01 -39218287.70 0.0089 0.0027
 Neptune -112085-01-30 17:02 J -39217594.09 -39217593.79 -39217593.49 0.0089 0.0009
 Neptune -112084-12-24 22:19 J -39216899.87 -39216899.57 -39216899.26 0.0088 0.0009
 Saturn -112082-09-22 19:41 J -39216262.83 -39216262.68 -39216262.53 0.0263 0.0222
 Neptune -112082-11-19 03:50 J -39216205.61 -39216205.34 -39216205.03 0.0088 0.0027
 Uranus -112080-02-17 03:22 J -39215749.50 -39215749.36 -39215749.17 0.0148 0.0124
 Saturn -112080-09-16 02:53 J -39215538.53 -39215538.38 -39215538.21 0.0268 0.0218
 Neptune -112080-10-13 11:46 J -39215511.25 -39215511.01 -39215510.72 0.0088 0.0045
 Neptune -112078-09-07 20:38 J -39214816.83 -39214816.64 -39214816.40 0.0088 0.0062
 Neptune -112076-08-02 06:43 J -39214122.35 -39214122.22 -39214122.07 0.0088 0.0079
 Saturn -112068-11-14 14:10 J -39211096.06 -39211095.91 -39211095.75 0.0298 0.0258
 Saturn -112052-11-07 17:31 J -39205259.04 -39205258.77 -39205258.51 0.0264 0.0083
 Uranus -112040-06-24 03:50 J -39201012.64 -39201012.34 -39201012.03 0.0131 0.0031
 Saturn -112037-01-07 14:38 J -39200085.20 -39200084.89 -39200084.58 0.0297 0.0012
 Saturn -112022-12-24 18:14 J -39194255.00 -39194254.74 -39194254.46 0.0266 0.0067
 Neptune -112009-03-24 08:53 J -39189781.27 -39189781.13 -39189780.92 0.0089 0.0076
 Neptune -112007-02-18 03:50 J -39189085.56 -39189085.34 -39189085.05 0.0089 0.0057
 Saturn -112007-03-01 19:26 J -39189073.88 -39189073.69 -39189073.48 0.0294 0.0223
 Jupiter -112007-06-11 00:29 J -39188972.75 -39188972.48 -39188972.20 0.0496 0.0011
 Neptune -112005-01-14 22:05 J -39188389.86 -39188389.58 -39188389.26 0.0089 0.0037
 Neptune -112004-12-10 14:24 J -39187694.21 -39187693.90 -39187693.57 0.0089 0.0017
 Neptune -112002-11-06 05:31 J -39186998.60 -39186998.27 -39186997.94 0.0089 0.0003

112TH MILLENNIUM BCE

This is a list of transits of Mars in the 112th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-112000-10-01 19:12 J		-39186303.01	-39186302.70	-39186302.37	0.0089	0.0022	
Neptune	-111998-08-28 06:43 J		-39185607.48	-39185607.22	-39185606.91	0.0089	0.0042	
Uranus	-111998-11-09 23:02 J		-39185533.80	-39185533.54	-39185533.25	0.0147	0.0064	
Neptune	-111996-07-23 17:17 J		-39184911.98	-39184911.78	-39184911.51	0.0089	0.0061	
Neptune	-111994-06-19 03:07 J		-39184216.49	-39184216.37	-39184216.20	0.0089	0.0079	
Saturn	-111993-02-15 23:31 J		-39183974.66	-39183974.52	-39183974.36	0.0262	0.0220	
Saturn	-111991-02-09 02:38 J		-39183250.55	-39183250.39	-39183250.22	0.0267	0.0214	
Jupiter	-111989-03-18 12:14 J		-39182482.14	-39182481.99	-39182481.84	0.0530	0.0445	
Pluto	-111982-04-18 19:41 J		-39179894.93	-39179894.68	-39179894.40	0.0064	0.0029	
Saturn	-111979-04-08 01:55 J		-39178809.55	-39178809.42	-39178809.27	0.0299	0.0265	
Saturn	-111963-04-02 15:36 J		-39172971.11	-39172970.85	-39172970.58	0.0264	0.0079	
Uranus	-111957-03-17 18:43 J		-39170794.89	-39170794.72	-39170794.50	0.0132	0.0103	
Uranus	-111955-02-16 21:36 J		-39170093.75	-39170093.60	-39170093.42	0.0131	0.0112	
Jupiter	-111954-12-24 09:50 J		-39169418.33	-39169418.09	-39169417.83	0.0530	0.0224	
Saturn	-111949-05-31 19:55 J		-39167797.97	-39167797.67	-39167797.36	0.0297	0.0021	
Saturn	-111933-05-18 18:29 J		-39161967.00	-39161966.73	-39161966.45	0.0265	0.0065	
Neptune	-111929-02-07 09:07 J		-39160607.19	-39160607.12	-39160606.99	0.0089	0.0084	
Neptune	-111927-01-01 10:05 J		-39159913.25	-39159913.08	-39159912.85	0.0089	0.0067	
Neptune	-111926-11-26 12:29 J		-39159219.20	-39159218.98	-39159218.71	0.0089	0.0050	
Neptune	-111924-10-20 15:07 J		-39158525.15	-39158524.87	-39158524.59	0.0089	0.0032	
Neptune	-111922-09-14 17:31 J		-39157831.05	-39157830.77	-39157830.46	0.0089	0.0015	
Neptune	-111920-08-08 22:19 J		-39157136.87	-39157136.57	-39157136.26	0.0089	0.0004	

Saturn -111919-07-24 07:12 J -39156787.40 -39156787.20 -39156786.98 0.0295 0.0216
 Neptune -111918-07-04 04:05 J -39156442.62 -39156442.33 -39156442.03 0.0089 0.0022
 Neptune -111916-05-28 09:50 J -39155748.35 -39155748.09 -39155747.81 0.0088 0.0040
 Neptune -111914-04-22 17:46 J -39155053.96 -39155053.76 -39155053.50 0.0088 0.0059
 Uranus -111913-07-05 22:19 J -39154613.86 -39154613.57 -39154613.28 0.0147 0.0047
 Neptune -111912-03-17 03:50 J -39154359.48 -39154359.34 -39154359.17 0.0088 0.0076
 Saturn -111905-07-10 21:07 J -39151686.76 -39151686.62 -39151686.45 0.0263 0.0217
 Saturn -111903-07-04 23:02 J -39150962.70 -39150962.54 -39150962.37 0.0268 0.0218
 Saturn -111891-08-31 05:31 J -39146522.37 -39146522.27 -39146522.13 0.0298 0.0274
 Jupiter -111889-11-30 13:55 J -39145700.13 -39145699.92 -39145699.71 0.0496 0.0313
 Saturn -111875-08-26 20:38 J -39140682.91 -39140682.64 -39140682.37 0.0264 0.0076
 Uranus -111873-11-10 12:58 J -39139876.26 -39139875.96 -39139875.65 0.0131 0.0023
 Saturn -111861-10-23 10:05 J -39135511.39 -39135511.08 -39135510.77 0.0297 0.0025
 Jupiter -111853-09-04 19:41 J -39132637.93 -39132637.68 -39132637.43 0.0495 0.0209
 Neptune -111846-11-06 02:38 J -39130019.47 -39130019.39 -39130019.26 0.0089 0.0084
 Saturn -111845-10-11 18:43 J -39129678.99 -39129678.72 -39129678.45 0.0266 0.0071
 Neptune -111844-10-01 22:05 J -39129323.79 -39129323.58 -39129323.33 0.0089 0.0064
 Neptune -111842-08-28 16:48 J -39128628.07 -39128627.80 -39128627.50 0.0089 0.0044
 Neptune -111840-07-24 10:19 J -39127932.37 -39127932.07 -39127931.73 0.0089 0.0024
 Neptune -111838-06-20 02:53 J -39127236.71 -39127236.38 -39127236.05 0.0089 0.0003
 Neptune -111836-05-15 17:46 J -39126541.08 -39126540.76 -39126540.43 0.0089 0.0017
 Jupiter -111835-06-13 09:50 J -39126147.35 -39126147.09 -39126146.84 0.0530 0.0197
 Neptune -111834-04-11 07:12 J -39125845.48 -39125845.20 -39125844.88 0.0089 0.0037
 Neptune -111832-03-06 19:41 J -39125149.93 -39125149.68 -39125149.43 0.0089 0.0056
 Saturn -111831-12-16 18:58 J -39124499.91 -39124499.71 -39124499.48 0.0294 0.0211
 Neptune -111830-01-31 05:02 J -39124454.43 -39124454.29 -39124454.09 0.0089 0.0076
 Saturn -111817-12-04 08:10 J -39119398.33 -39119398.16 -39119397.99 0.0263 0.0208
 Saturn -111815-11-28 07:41 J -39118674.32 -39118674.18 -39118674.01 0.0267 0.0222
 Saturn -111802-01-23 03:36 J -39114235.47 -39114235.35 -39114235.22 0.0299 0.0272
 Jupiter -111799-03-20 11:46 J -39113083.09 -39113083.01 -39113082.90 0.0531 0.0495

Uranus -111788-07-06 04:34 J -39108957.58 -39108957.31 -39108957.02 0.0131 0.0055
 Saturn -111786-01-20 01:41 J -39108394.70 -39108394.43 -39108394.16 0.0264 0.0068
 Saturn -111772-03-18 06:29 J -39103223.54 -39103223.23 -39103222.92 0.0297 0.0024
 Neptune -111764-08-16 15:50 J -39100149.98 -39100149.84 -39100149.65 0.0089 0.0074
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 Jupiter -111580-05-21 00:29 J -39033031.75 -39033031.48 -39033031.21 0.0496 0.0059
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 Neptune -111501-03-24 02:24 J -39004234.42 -39004234.40 -39004234.34 0.0089 0.0088
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 Saturn -111491-05-23 03:50 J -39000522.58 -39000522.34 -39000522.10 0.0267 0.0142
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 Saturn -111463-07-15 22:05 J -38990241.82 -38990241.58 -38990241.34 0.0264 0.0131
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 Jupiter -111372-02-23 05:02 J -38957146.51 -38957146.29 -38957146.07 0.0531 0.0323
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 Neptune -111024-10-02 09:50 J -38829818.15 -38829818.09 -38829817.95 0.0089 0.0085
 Neptune -111022-08-29 07:41 J -38829122.39 -38829122.18 -38829121.91 0.0089 0.0062
 Saturn -111021-07-18 14:24 J -38828798.16 -38828797.90 -38828797.63 0.0263 0.0082
 Neptune -111020-07-25 05:02 J -38828426.59 -38828426.29 -38828425.99 0.0089 0.0038

Neptune -111018-06-21 00:29 J -38827730.80 -38827730.48 -38827730.14 0.0089 0.0015

Neptune -111016-05-16 20:09 J -38827034.99 -38827034.66 -38827034.33 0.0089 0.0008

Neptune -111014-04-12 13:41 J -38826339.22 -38826338.93 -38826338.60 0.0089 0.0032

Neptune -111012-03-08 06:29 J -38825643.48 -38825643.23 -38825642.96 0.0089 0.0054

Neptune -111010-02-01 21:21 J -38824947.74 -38824947.61 -38824947.41 0.0089 0.0077

Saturn -111007-09-06 05:45 J -38823635.54 -38823635.26 -38823634.96 0.0299 0.0103

111TH MILLENNIUM BCE

This is a list of transits of Mars in the 111th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-110999-07-22 23:45 J	-38820758.76	-38820758.51	-38820758.26	0.0496	0.0197		
Saturn	-110991-09-03 05:45 J	-38817794.53	-38817794.26	-38817793.98	0.0264	0.0059		
Uranus	-110990-12-26 12:57 J	-38817315.27	-38817314.96	-38817314.66	0.0147	0.0003		
Pluto	-110989-05-22 10:48 J	-38817167.27	-38817167.05	-38817166.78	0.0064	0.0036		
Jupiter	-110981-04-27 05:02 J	-38814270.49	-38814270.29	-38814270.09	0.0530	0.0354		
Saturn	-110977-10-30 03:50 J	-38812623.61	-38812623.34	-38812623.06	0.0296	0.0137		
Saturn	-110963-10-27 03:50 J	-38807513.50	-38807513.34	-38807513.17	0.0262	0.0211		
Saturn	-110961-10-19 10:05 J	-38806790.25	-38806790.08	-38806789.88	0.0265	0.0202		
Uranus	-110949-05-02 23:17 J	-38802576.82	-38802576.53	-38802576.23	0.0132	0.0041		
Jupiter	-110945-02-01 23:45 J	-38801206.71	-38801206.51	-38801206.29	0.0531	0.0336		
Neptune	-110942-07-17 18:00 J	-38799944.90	-38799944.75	-38799944.57	0.0089	0.0073		

Neptune -110940-06-10 17:45 J -38799250.98 -38799250.76 -38799250.50 0.0089 0.0053
 Neptune -110938-05-05 17:31 J -38798557.03 -38798556.77 -38798556.48 0.0089 0.0033
 Neptune -110936-03-29 18:57 J -38797863.00 -38797862.71 -38797862.41 0.0089 0.0012
 Neptune -110934-02-21 21:36 J -38797168.89 -38797168.60 -38797168.29 0.0089 0.0010
 Saturn -110933-12-11 14:53 J -38796510.14 -38796509.88 -38796509.61 0.0263 0.0077
 Neptune -110932-01-15 23:45 J -38796474.78 -38796474.51 -38796474.21 0.0089 0.0031
 Neptune -110931-12-11 02:53 J -38795780.61 -38795780.38 -38795780.12 0.0089 0.0052
 Neptune -110929-11-04 07:26 J -38795086.33 -38795086.19 -38795085.99 0.0089 0.0073
 Saturn -110918-01-29 14:24 J -38791348.18 -38791347.90 -38791347.60 0.0298 0.0108
 Uranus -110905-08-21 09:07 J -38786395.30 -38786395.12 -38786394.90 0.0147 0.0112
 Saturn -110902-01-27 15:36 J -38785506.12 -38785505.85 -38785505.58 0.0264 0.0065
 Saturn -110888-03-23 21:50 J -38780336.85 -38780336.59 -38780336.30 0.0297 0.0137
 Jupiter -110880-01-11 05:17 J -38777486.54 -38777486.28 -38777486.01 0.0496 0.0129
 Saturn -110874-03-22 05:02 J -38775225.45 -38775225.29 -38775225.11 0.0262 0.0206
 Saturn -110872-03-14 12:43 J -38774502.12 -38774501.97 -38774501.78 0.0266 0.0209
 Uranus -110865-12-26 09:21 J -38771658.40 -38771658.11 -38771657.80 0.0132 0.0035
 Neptune -110858-04-12 07:41 J -38769360.35 -38769360.18 -38769359.94 0.0089 0.0071
 Neptune -110856-03-08 06:00 J -38768664.51 -38768664.25 -38768663.95 0.0089 0.0047
 Neptune -110854-02-02 03:07 J -38767968.68 -38767968.37 -38767968.04 0.0089 0.0023
 Neptune -110853-12-28 23:02 J -38767272.88 -38767272.54 -38767272.21 0.0089 0.0002
 Neptune -110851-11-24 17:31 J -38766577.08 -38766576.77 -38766576.44 0.0089 0.0025
 Neptune -110849-10-20 11:02 J -38765881.29 -38765881.04 -38765880.74 0.0089 0.0049
 Neptune -110847-09-16 02:53 J -38765185.54 -38765185.38 -38765185.16 0.0089 0.0072
 Jupiter -110845-10-16 19:55 J -38764423.80 -38764423.67 -38764423.53 0.0495 0.0429
 Saturn -110844-05-07 04:05 J -38764221.59 -38764221.33 -38764221.05 0.0263 0.0065
 Saturn -110830-06-23 19:41 J -38759060.96 -38759060.68 -38759060.37 0.0298 0.0101
 Jupiter -110827-07-22 20:53 J -38757935.89 -38757935.63 -38757935.36 0.0530 0.0114
 Uranus -110822-05-13 15:21 J -38756180.10 -38756179.86 -38756179.59 0.0147 0.0083
 Saturn -110814-06-22 21:36 J -38753217.86 -38753217.60 -38753217.32 0.0264 0.0074
 Saturn -110800-08-17 01:41 J -38748048.70 -38748048.43 -38748048.16 0.0296 0.0143

Saturn -110786-08-16 00:43 J -38742936.65 -38742936.47 -38742936.27 0.0263 0.0189
 Saturn -110784-08-08 09:36 J -38742213.25 -38742213.10 -38742212.95 0.0266 0.0223
 Uranus -110782-09-19 23:45 J -38741440.69 -38741440.51 -38741440.31 0.0132 0.0103
 Uranus -110780-08-20 20:24 J -38740739.80 -38740739.65 -38740739.47 0.0131 0.0111
 Neptune -110778-03-02 06:14 J -38740181.35 -38740181.24 -38740181.12 0.0089 0.0081
 Neptune -110776-01-24 05:31 J -38739487.45 -38739487.27 -38739487.02 0.0089 0.0061
 Neptune -110775-12-19 06:00 J -38738793.49 -38738793.25 -38738792.96 0.0089 0.0040
 Neptune -110773-11-12 06:00 J -38738099.53 -38738099.25 -38738098.95 0.0089 0.0019
 Neptune -110771-10-07 06:43 J -38737405.52 -38737405.22 -38737404.92 0.0089 0.0003
 Neptune -110769-08-31 08:38 J -38736711.42 -38736711.14 -38736710.84 0.0089 0.0025
 Neptune -110767-07-26 10:48 J -38736017.28 -38736017.05 -38736016.77 0.0089 0.0047
 Neptune -110765-06-19 13:55 J -38735323.10 -38735322.92 -38735322.71 0.0089 0.0068
 Jupiter -110762-07-02 23:31 J -38734214.57 -38734214.52 -38734214.46 0.0497 0.0487
 Saturn -110756-09-30 16:48 J -38731933.07 -38731932.80 -38731932.52 0.0263 0.0054
 Saturn -110742-11-17 15:21 J -38726772.16 -38726771.86 -38726771.56 0.0298 0.0085
 Pluto -110741-08-30 13:12 J -38726484.95 -38726484.95 -38726484.92 0.0064 0.0064
 Uranus -110737-01-07 09:07 J -38725260.42 -38725260.12 -38725259.81 0.0147 0.0024
 Jupiter -110726-04-07 14:53 J -38721152.15 -38721151.88 -38721151.60 0.0496 0.0076
 Saturn -110726-11-17 01:26 J -38720928.69 -38720928.44 -38720928.17 0.0265 0.0095
 Saturn -110711-01-10 18:43 J -38715759.96 -38715759.72 -38715759.45 0.0296 0.0168
 Saturn -110697-01-09 18:29 J -38710647.92 -38710647.73 -38710647.51 0.0263 0.0177
 Uranus -110697-05-14 12:00 J -38710522.29 -38710522.00 -38710521.69 0.0132 0.0027
 Saturn -110695-01-02 05:45 J -38709924.37 -38709924.26 -38709924.12 0.0266 0.0239
 Neptune -110695-11-24 06:43 J -38709598.34 -38709598.22 -38709598.05 0.0089 0.0080
 Neptune -110693-10-20 04:48 J -38708902.53 -38708902.30 -38708902.01 0.0089 0.0056
 Neptune -110691-09-16 03:07 J -38708206.68 -38708206.37 -38708206.05 0.0089 0.0031
 Neptune -110689-08-11 23:45 J -38707510.84 -38707510.51 -38707510.17 0.0089 0.0007
 Neptune -110687-07-08 18:57 J -38706815.01 -38706814.71 -38706814.36 0.0089 0.0019
 Neptune -110685-06-03 13:26 J -38706119.20 -38706118.94 -38706118.62 0.0089 0.0043
 Neptune -110683-04-30 08:09 J -38705423.37 -38705423.16 -38705422.94 0.0089 0.0066

Jupiter -110673-10-15 04:48 J -38701602.57 -38701602.30 -38701602.03 0.0530 0.0044
 Saturn -110667-02-25 02:09 J -38699643.69 -38699643.41 -38699643.13 0.0264 0.0030
 Pluto -110653-02-07 21:50 J -38694547.75 -38694547.59 -38694547.40 0.0080 0.0069
 Saturn -110653-04-13 05:17 J -38694482.58 -38694482.28 -38694481.97 0.0298 0.0051
 Uranus -110653-09-01 21:36 J -38694340.73 -38694340.60 -38694340.42 0.0147 0.0127
 Saturn -110637-04-12 02:38 J -38688639.64 -38688639.39 -38688639.14 0.0265 0.0110
 Saturn -110623-06-07 15:50 J -38683470.05 -38683469.84 -38683469.59 0.0296 0.0195
 Neptune -110613-09-08 16:48 J -38679723.97 -38679723.80 -38679723.60 0.0089 0.0069
 Uranus -110612-01-06 22:05 J -38679603.86 -38679603.58 -38679603.29 0.0132 0.0049
 Neptune -110611-08-03 16:05 J -38679030.08 -38679029.83 -38679029.57 0.0089 0.0047
 Saturn -110609-06-05 07:55 J -38678358.39 -38678358.17 -38678357.93 0.0263 0.0151
 Neptune -110609-06-27 16:19 J -38678336.09 -38678335.82 -38678335.52 0.0089 0.0026
 Jupiter -110608-09-25 15:36 J -38677881.06 -38677880.85 -38677880.64 0.0497 0.0322
 Neptune -110607-05-22 16:48 J -38677642.09 -38677641.80 -38677641.50 0.0089 0.0004
 Saturn -110607-05-29 21:36 J -38677634.61 -38677634.60 -38677634.56 0.0267 0.0266
 Neptune -110605-04-15 17:31 J -38676948.05 -38676947.77 -38676947.47 0.0089 0.0019
 Neptune -110603-03-10 19:55 J -38676253.92 -38676253.67 -38676253.38 0.0089 0.0041
 Neptune -110601-02-02 23:02 J -38675559.72 -38675559.54 -38675559.30 0.0089 0.0063
 Neptune -110600-12-28 01:55 J -38674865.48 -38674865.42 -38674865.30 0.0089 0.0085
 Saturn -110595-07-15 14:24 J -38673205.01 -38673204.90 -38673204.75 0.0299 0.0271
 Saturn -110579-07-22 06:43 J -38667354.49 -38667354.22 -38667353.94 0.0264 0.0015
 Jupiter -110572-06-30 17:17 J -38664819.02 -38664818.78 -38664818.52 0.0496 0.0209
 Uranus -110570-05-24 16:19 J -38664126.07 -38664125.82 -38664125.54 0.0147 0.0076
 Saturn -110565-09-08 10:19 J -38662192.38 -38662192.07 -38662191.75 0.0297 0.0018
 Jupiter -110554-04-04 08:53 J -38658332.26 -38658332.13 -38658332.00 0.0529 0.0459
 Saturn -110549-09-06 21:21 J -38656349.84 -38656349.61 -38656349.36 0.0266 0.0139
 Saturn -110535-11-03 03:36 J -38651179.52 -38651179.35 -38651179.15 0.0296 0.0234
 Uranus -110530-10-01 12:00 J -38649386.21 -38649386.00 -38649385.76 0.0132 0.0089
 Neptune -110529-06-03 04:05 J -38649140.54 -38649140.33 -38649140.08 0.0089 0.0065
 Uranus -110528-09-01 06:14 J -38648685.31 -38648685.24 -38648685.11 0.0132 0.0125

Neptune -110527-04-30 02:38 J -38648444.67 -38648444.39 -38648444.08 0.0089 0.0040
 Neptune -110525-03-26 00:29 J -38647748.80 -38647748.48 -38647748.14 0.0089 0.0015
 Neptune -110523-02-19 21:21 J -38647052.93 -38647052.61 -38647052.27 0.0089 0.0011
 Neptune -110521-01-16 16:19 J -38646357.10 -38646356.82 -38646356.49 0.0089 0.0036
 Saturn -110521-10-30 15:21 J -38646069.09 -38646068.86 -38646068.62 0.0263 0.0136
 Neptune -110520-12-12 09:50 J -38645661.29 -38645661.09 -38645660.81 0.0089 0.0061
 Jupiter -110518-01-08 19:26 J -38645268.93 -38645268.69 -38645268.44 0.0530 0.0215
 Neptune -110518-11-08 03:07 J -38644965.43 -38644965.37 -38644965.23 0.0089 0.0085
 Saturn -110507-12-10 20:24 J -38640914.82 -38640914.65 -38640914.45 0.0299 0.0237
 Saturn -110491-12-17 00:29 J -38635064.76 -38635064.48 -38635064.20 0.0264 0.0012
 Uranus -110485-01-18 07:26 J -38633206.49 -38633206.19 -38633205.88 0.0147 0.0030
 Saturn -110476-02-04 02:24 J -38629901.71 -38629901.40 -38629901.09 0.0297 0.0021
 Saturn -110462-02-09 01:26 J -38624783.49 -38624783.44 -38624783.38 0.0262 0.0256
 Saturn -110460-02-01 03:50 J -38624060.56 -38624060.34 -38624060.10 0.0265 0.0152
 Jupiter -110454-12-19 12:29 J -38621548.23 -38621547.98 -38621547.72 0.0497 0.0201
 Neptune -110449-04-24 03:21 J -38619960.47 -38619960.36 -38619960.18 0.0089 0.0078
 Neptune -110447-03-19 03:07 J -38619266.57 -38619266.37 -38619266.11 0.0089 0.0056
 Saturn -110446-03-31 03:21 J -38618889.48 -38618889.36 -38618889.20 0.0296 0.0263
 Neptune -110445-02-11 02:24 J -38618572.65 -38618572.40 -38618572.10 0.0089 0.0034
 Uranus -110445-05-25 20:24 J -38618467.95 -38618467.65 -38618467.34 0.0132 0.0014
 Neptune -110443-01-05 03:21 J -38617878.65 -38617878.36 -38617878.06 0.0089 0.0011
 Neptune -110442-11-30 03:36 J -38617184.64 -38617184.35 -38617184.04 0.0089 0.0012
 Neptune -110440-10-24 04:05 J -38616490.60 -38616490.33 -38616490.05 0.0089 0.0034
 Neptune -110438-09-18 05:17 J -38615796.48 -38615796.28 -38615796.02 0.0089 0.0057
 Neptune -110436-08-12 08:53 J -38615102.24 -38615102.13 -38615101.97 0.0089 0.0079
 Saturn -110432-03-27 03:50 J -38613779.58 -38613779.34 -38613779.08 0.0263 0.0114
 Saturn -110418-05-08 07:12 J -38608624.42 -38608624.20 -38608623.97 0.0298 0.0205
 Jupiter -110418-09-23 20:24 J -38608485.84 -38608485.65 -38608485.44 0.0496 0.0346
 Pluto -110405-05-18 00:29 J -38603865.81 -38603865.48 -38603865.14 0.0080 0.0013
 Saturn -110402-05-13 02:38 J -38602775.67 -38602775.39 -38602775.12 0.0264 0.0023

Uranus -110401-09-13 02:24 J -38602286.47 -38602286.40 -38602286.27 0.0147 0.0139
 Jupiter -110400-06-28 00:00 J -38601998.73 -38601998.50 -38601998.27 0.0530 0.0284
 Saturn -110388-07-01 13:12 J -38597612.25 -38597611.95 -38597611.64 0.0297 0.0046
 Saturn -110374-07-06 07:55 J -38592494.28 -38592494.17 -38592494.04 0.0263 0.0238
 Saturn -110372-06-28 10:48 J -38591771.26 -38591771.05 -38591770.84 0.0266 0.0172
 Neptune -110365-01-16 00:57 J -38589378.61 -38589378.46 -38589378.26 0.0089 0.0075
 Jupiter -110364-04-02 23:17 J -38588935.73 -38588935.53 -38588935.33 0.0530 0.0359
 Neptune -110364-12-12 00:00 J -38588682.75 -38588682.50 -38588682.20 0.0089 0.0050
 Neptune -110362-11-07 22:19 J -38587986.88 -38587986.57 -38587986.23 0.0089 0.0024
 Uranus -110360-01-18 06:43 J -38587549.48 -38587549.22 -38587548.94 0.0132 0.0063
 Neptune -110360-10-03 19:55 J -38587291.00 -38587290.67 -38587290.33 0.0089 0.0003
 Saturn -110358-08-26 01:41 J -38586599.49 -38586599.43 -38586599.34 0.0295 0.0287
 Neptune -110358-08-30 16:33 J -38586595.12 -38586594.81 -38586594.49 0.0089 0.0028
 Neptune -110356-07-26 11:31 J -38585899.26 -38585899.02 -38585898.73 0.0089 0.0054
 Neptune -110354-06-22 05:31 J -38585203.39 -38585203.27 -38585203.09 0.0089 0.0079
 Saturn -110344-08-21 03:36 J -38581490.60 -38581490.35 -38581490.09 0.0263 0.0105
 Saturn -110330-10-02 01:26 J -38576335.67 -38576335.44 -38576335.18 0.0299 0.0187
 Uranus -110318-06-05 07:55 J -38572071.45 -38572071.17 -38572070.87 0.0147 0.0056
 Saturn -110314-10-07 02:38 J -38570486.66 -38570486.39 -38570486.11 0.0264 0.0039
 Saturn -110300-11-25 21:07 J -38565322.92 -38565322.62 -38565322.31 0.0297 0.0062
 Jupiter -110299-03-14 03:07 J -38565214.65 -38565214.37 -38565214.09 0.0496 0.0033
 Saturn -110286-11-30 04:19 J -38560205.44 -38560205.32 -38560205.17 0.0262 0.0230
 Neptune -110286-12-08 14:24 J -38560196.93 -38560196.90 -38560196.82 0.0089 0.0087
 Neptune -110284-11-01 13:12 J -38559503.13 -38559502.95 -38559502.72 0.0089 0.0065
 Saturn -110284-11-22 02:53 J -38559482.58 -38559482.38 -38559482.16 0.0265 0.0176
 Neptune -110282-09-26 12:57 J -38558809.20 -38558808.96 -38558808.68 0.0089 0.0042
 Neptune -110280-08-20 12:00 J -38558115.28 -38558115.00 -38558114.70 0.0089 0.0019
 Neptune -110278-07-15 12:14 J -38557421.29 -38557420.99 -38557420.69 0.0089 0.0004
 Uranus -110278-10-13 00:29 J -38557331.73 -38557331.48 -38557331.22 0.0132 0.0073
 Neptune -110276-06-08 13:12 J -38556727.24 -38556726.95 -38556726.67 0.0089 0.0027

Neptune -110274-05-03 13:41 J -38556033.16 -38556032.93 -38556032.67 0.0089 0.0050
 Neptune -110272-03-27 15:50 J -38555338.99 -38555338.84 -38555338.65 0.0089 0.0073
 Saturn -110255-01-14 20:24 J -38549201.91 -38549201.65 -38549201.39 0.0263 0.0093
 Jupiter -110246-09-21 21:21 J -38545664.87 -38545664.61 -38545664.34 0.0529 0.0096
 Saturn -110241-02-25 17:02 J -38544047.04 -38544046.79 -38544046.54 0.0299 0.0179
 Uranus -110233-01-30 06:29 J -38541151.51 -38541151.23 -38541150.93 0.0147 0.0055
 Saturn -110225-03-01 15:21 J -38538198.13 -38538197.86 -38538197.58 0.0263 0.0042
 Saturn -110211-04-20 06:43 J -38533035.52 -38533035.22 -38533034.91 0.0298 0.0065
 Neptune -110202-08-29 21:21 J -38529616.66 -38529616.61 -38529616.48 0.0089 0.0086
 Neptune -110200-07-25 20:09 J -38528920.88 -38528920.66 -38528920.38 0.0089 0.0060
 Neptune -110198-06-21 18:57 J -38528225.00 -38528224.71 -38528224.37 0.0089 0.0034
 Saturn -110197-04-24 12:57 J -38527917.09 -38527916.96 -38527916.80 0.0262 0.0222
 Neptune -110196-05-17 17:45 J -38527529.09 -38527528.76 -38527528.42 0.0089 0.0007
 Saturn -110195-04-17 11:02 J -38527194.23 -38527194.04 -38527193.83 0.0265 0.0184
 Neptune -110194-04-13 14:53 J -38526833.19 -38526832.88 -38526832.54 0.0089 0.0020
 Uranus -110193-06-06 14:38 J -38526413.19 -38526412.89 -38526412.58 0.0132 0.0004
 Neptune -110192-03-09 11:17 J -38526137.30 -38526137.03 -38526136.73 0.0089 0.0046
 Neptune -110190-02-03 06:14 J -38525441.41 -38525441.24 -38525441.02 0.0089 0.0072
 Jupiter -110181-09-01 18:29 J -38521942.90 -38521942.73 -38521942.56 0.0497 0.0392
 Saturn -110167-06-10 05:45 J -38516913.52 -38516913.26 -38516913.00 0.0262 0.0089
 Saturn -110153-07-19 12:57 J -38511760.20 -38511759.96 -38511759.70 0.0299 0.0180
 Uranus -110151-10-21 04:05 J -38510936.37 -38510936.33 -38510936.26 0.0147 0.0144
 Jupiter -110145-06-07 14:24 J -38508880.16 -38508879.90 -38508879.63 0.0496 0.0180
 Saturn -110137-07-25 18:29 J -38505910.00 -38505909.73 -38505909.46 0.0264 0.0048
 Jupiter -110127-03-12 10:33 J -38502393.12 -38502393.06 -38502392.99 0.0529 0.0512
 Saturn -110123-09-12 22:19 J -38500747.88 -38500747.57 -38500747.27 0.0298 0.0061
 Neptune -110120-06-16 22:05 J -38499739.72 -38499739.58 -38499739.40 0.0089 0.0074
 Neptune -110118-05-11 20:38 J -38499045.87 -38499045.64 -38499045.38 0.0089 0.0051
 Neptune -110116-04-04 20:38 J -38498351.91 -38498351.64 -38498351.35 0.0089 0.0028
 Neptune -110114-02-27 20:24 J -38497657.94 -38497657.65 -38497657.34 0.0089 0.0005

Neptune -110112-01-21 20:09 J -38496963.94 -38496963.66 -38496963.36 0.0089 0.0020

Neptune -110111-12-16 21:21 J -38496269.86 -38496269.61 -38496269.34 0.0089 0.0043

Uranus -110110-03-01 11:45 J -38496195.04 -38496195.01 -38496194.94 0.0132 0.0130

Saturn -110109-09-17 22:33 J -38495628.71 -38495628.56 -38495628.40 0.0262 0.0215

Neptune -110109-11-09 21:50 J -38495575.75 -38495575.59 -38495575.36 0.0089 0.0067

Uranus -110108-01-30 02:38 J -38495494.62 -38495494.39 -38495494.14 0.0132 0.0082

Saturn -110107-09-10 17:02 J -38494905.98 -38494905.79 -38494905.58 0.0264 0.0185

Saturn -110093-11-04 23:31 J -38489736.54 -38489736.52 -38489736.46 0.0296 0.0294

Jupiter -110092-12-16 21:07 J -38489329.88 -38489329.62 -38489329.37 0.0530 0.0170

Saturn -110079-11-03 06:57 J -38484625.47 -38484625.21 -38484624.94 0.0262 0.0085

Uranus -110066-06-16 21:07 J -38480016.91 -38480016.62 -38480016.31 0.0147 0.0039

Saturn -110065-12-11 23:31 J -38479472.75 -38479472.52 -38479472.26 0.0299 0.0185

Saturn -110049-12-19 02:53 J -38473621.65 -38473621.38 -38473621.10 0.0263 0.0053

Neptune -110036-03-08 15:07 J -38469159.03 -38469158.87 -38469158.62 0.0089 0.0071

Neptune -110034-02-02 14:24 J -38468463.16 -38468462.90 -38468462.58 0.0089 0.0044

Saturn -110034-02-04 10:05 J -38468461.39 -38468461.08 -38468460.77 0.0298 0.0057

Neptune -110033-12-29 13:12 J -38467767.26 -38467766.95 -38467766.60 0.0089 0.0017

Neptune -110031-11-25 11:31 J -38467071.34 -38467071.02 -38467070.68 0.0089 0.0011

Neptune -110029-10-21 08:09 J -38466375.44 -38466375.16 -38466374.84 0.0089 0.0038

Neptune -110027-09-17 04:48 J -38465679.52 -38465679.30 -38465679.07 0.0089 0.0064

Jupiter -110027-11-27 15:07 J -38465608.14 -38465607.87 -38465607.60 0.0497 0.0159

Uranus -110026-10-25 00:14 J -38465276.76 -38465276.49 -38465276.20 0.0132 0.0053

Saturn -110020-02-10 22:33 J -38463340.71 -38463340.56 -38463340.38 0.0262 0.0212

Saturn -110018-02-03 18:00 J -38462617.94 -38462617.75 -38462617.55 0.0265 0.0190

Saturn -110004-03-30 10:19 J -38457449.13 -38457449.07 -38457448.99 0.0296 0.0288

110TH MILLENNIUM BCE

This is a list of transits of Mars in the 110th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Pluto	-109998-08-06 14:09 J		-38455129.13	-38455128.91	-38455128.65	0.0064	0.0037	
Jupiter	-109991-09-02 14:09 J		-38452545.04	-38452544.91	-38452544.76	0.0495	0.0428	
Saturn	-109990-03-29 17:16 J		-38452337.05	-38452336.78	-38452336.52	0.0262	0.0075	
Uranus	-109981-02-10 12:00 J		-38449097.26	-38449097.00	-38449096.70	0.0147	0.0068	
Saturn	-109976-05-05 14:52 J		-38447186.11	-38447185.88	-38447185.62	0.0299	0.0185	
Jupiter	-109973-06-06 06:57 J		-38446058.44	-38446058.21	-38446057.97	0.0530	0.0262	
Saturn	-109960-05-14 04:33 J		-38441333.58	-38441333.31	-38441333.04	0.0263	0.0058	
Neptune	-109956-01-30 07:40 J		-38439976.25	-38439976.18	-38439976.06	0.0089	0.0084	
Neptune	-109955-12-25 05:45 J		-38439282.44	-38439282.26	-38439282.01	0.0089	0.0061	
Neptune	-109953-11-18 04:19 J		-38438588.58	-38438588.32	-38438588.04	0.0089	0.0037	
Neptune	-109951-10-13 03:50 J		-38437894.63	-38437894.34	-38437894.04	0.0089	0.0013	
Neptune	-109949-09-06 03:36 J		-38437200.65	-38437200.35	-38437200.06	0.0089	0.0011	
Neptune	-109947-08-01 02:24 J		-38436506.66	-38436506.40	-38436506.11	0.0089	0.0036	
Saturn	-109946-06-30 00:14 J		-38436173.80	-38436173.49	-38436173.18	0.0298	0.0056	
Neptune	-109945-06-25 03:21 J		-38435812.55	-38435812.36	-38435812.11	0.0089	0.0060	
Neptune	-109943-05-20 05:02 J		-38435118.37	-38435118.29	-38435118.17	0.0089	0.0083	
Uranus	-109941-06-18 10:33 J		-38434358.36	-38434358.06	-38434357.76	0.0132	0.0024	
Jupiter	-109937-03-12 04:19 J		-38432995.50	-38432995.32	-38432995.14	0.0531	0.0393	
Saturn	-109932-07-07 12:43 J		-38431052.15	-38431051.97	-38431051.79	0.0262	0.0197	
Saturn	-109930-06-30 07:40 J		-38430329.35	-38430329.18	-38430328.99	0.0264	0.0200	
Saturn	-109916-08-22 12:00 J		-38425162.04	-38425162.00	-38425161.95	0.0296	0.0293	
Saturn	-109902-08-22 22:19 J		-38420048.84	-38420048.57	-38420048.30	0.0263	0.0069	

Uranus -109899-11-01 08:09 J -38418882.27 -38418882.16 -38418881.99 0.0147 0.0132
 Saturn -109888-09-28 15:36 J -38414898.10 -38414897.85 -38414897.60 0.0299 0.0179
 Neptune -109873-10-20 08:24 J -38409397.25 -38409397.15 -38409397.00 0.0089 0.0082
 Jupiter -109872-02-21 10:48 J -38409273.32 -38409273.05 -38409272.76 0.0496 0.0078
 Saturn -109872-10-08 00:28 J -38409044.75 -38409044.48 -38409044.21 0.0264 0.0074
 Neptune -109871-09-16 07:40 J -38408701.41 -38408701.18 -38408700.88 0.0089 0.0055
 Neptune -109869-08-12 06:43 J -38408005.53 -38408005.22 -38408004.89 0.0089 0.0027
 Neptune -109867-07-09 05:02 J -38407309.62 -38407309.29 -38407308.95 0.0089 0.0002
 Neptune -109865-06-04 02:52 J -38406613.68 -38406613.38 -38406613.04 0.0089 0.0029
 Neptune -109863-05-01 00:00 J -38405917.74 -38405917.50 -38405917.22 0.0089 0.0056
 Neptune -109861-03-26 19:40 J -38405221.76 -38405221.68 -38405221.53 0.0089 0.0083
 Uranus -109858-03-13 08:52 J -38404140.27 -38404140.13 -38404139.94 0.0132 0.0111
 Saturn -109858-11-22 17:45 J -38403886.06 -38403885.76 -38403885.45 0.0298 0.0069
 Uranus -109856-02-10 22:48 J -38403439.74 -38403439.55 -38403439.36 0.0132 0.0102
 Saturn -109844-11-30 21:07 J -38398763.80 -38398763.62 -38398763.42 0.0262 0.0191
 Saturn -109842-11-23 18:57 J -38398040.87 -38398040.71 -38398040.54 0.0265 0.0210
 Jupiter -109819-08-31 01:40 J -38389724.69 -38389724.43 -38389724.16 0.0530 0.0078
 Uranus -109814-06-28 11:31 J -38387962.33 -38387962.02 -38387961.71 0.0147 0.0018
 Saturn -109813-01-16 23:16 J -38387759.81 -38387759.53 -38387759.26 0.0263 0.0049
 Saturn -109799-02-22 04:19 J -38382609.57 -38382609.32 -38382609.04 0.0298 0.0158
 Neptune -109791-08-09 12:00 J -38379519.15 -38379519.00 -38379518.80 0.0089 0.0071
 Neptune -109789-07-03 10:19 J -38378825.30 -38378825.07 -38378824.80 0.0089 0.0047
 Neptune -109787-05-28 08:24 J -38378131.42 -38378131.15 -38378130.84 0.0089 0.0023
 Neptune -109785-04-21 08:09 J -38377437.45 -38377437.16 -38377436.86 0.0089 0.0002
 Saturn -109783-03-03 16:04 J -38376756.09 -38376755.83 -38376755.57 0.0264 0.0085
 Neptune -109783-03-16 08:38 J -38376743.41 -38376743.14 -38376742.85 0.0089 0.0027
 Neptune -109781-02-08 07:55 J -38376049.38 -38376049.17 -38376048.90 0.0089 0.0052
 Neptune -109779-01-02 09:07 J -38375355.25 -38375355.12 -38375354.95 0.0089 0.0076
 Uranus -109774-11-05 21:50 J -38373221.88 -38373221.59 -38373221.29 0.0132 0.0031
 Saturn -109769-04-17 20:52 J -38371596.93 -38371596.63 -38371596.33 0.0297 0.0088

Saturn -109755-04-27 02:09 J -38366474.62 -38366474.41 -38366474.20 0.0263 0.0168
 Jupiter -109754-08-12 14:09 J -38366002.12 -38366001.91 -38366001.69 0.0498 0.0320
 Saturn -109753-04-19 02:38 J -38365751.52 -38365751.39 -38365751.25 0.0265 0.0233
 Pluto -109750-11-15 06:43 J -38364446.50 -38364446.22 -38364445.94 0.0064 0.0023
 Uranus -109729-02-22 15:21 J -38357042.09 -38357041.86 -38357041.62 0.0147 0.0097
 Saturn -109725-06-11 18:28 J -38355471.00 -38355470.73 -38355470.45 0.0263 0.0037
 Jupiter -109718-05-17 23:45 J -38352939.75 -38352939.51 -38352939.26 0.0496 0.0238
 Saturn -109711-07-19 19:40 J -38350319.96 -38350319.68 -38350319.40 0.0298 0.0131
 Neptune -109707-04-29 23:31 J -38348939.73 -38348939.52 -38348939.29 0.0088 0.0066
 Neptune -109705-03-25 23:16 J -38348243.82 -38348243.53 -38348243.21 0.0089 0.0038
 Neptune -109703-02-19 22:19 J -38347547.89 -38347547.57 -38347547.23 0.0089 0.0010
 Neptune -109701-01-16 20:24 J -38346851.97 -38346851.65 -38346851.31 0.0089 0.0019
 Neptune -109700-12-12 17:45 J -38346156.02 -38346155.76 -38346155.45 0.0089 0.0047
 Neptune -109698-11-08 14:09 J -38345460.05 -38345459.91 -38345459.70 0.0089 0.0075
 Saturn -109695-07-29 03:36 J -38344466.59 -38344466.35 -38344466.08 0.0265 0.0111
 Uranus -109689-06-30 14:09 J -38342303.19 -38342302.91 -38342302.62 0.0132 0.0049
 Saturn -109681-09-12 19:12 J -38339306.97 -38339306.70 -38339306.40 0.0297 0.0122
 Saturn -109667-09-21 02:52 J -38334185.59 -38334185.38 -38334185.15 0.0263 0.0157
 Saturn -109665-09-13 04:48 J -38333462.38 -38333462.30 -38333462.18 0.0265 0.0248
 Jupiter -109665-11-23 23:16 J -38333390.79 -38333390.53 -38333390.27 0.0530 0.0110
 Uranus -109647-11-13 17:02 J -38326827.00 -38326826.79 -38326826.53 0.0147 0.0099
 Saturn -109637-11-06 09:50 J -38323181.36 -38323181.09 -38323180.81 0.0264 0.0012
 Neptune -109627-03-24 16:33 J -38319755.89 -38319755.81 -38319755.67 0.0089 0.0082
 Neptune -109625-02-16 16:04 J -38319062.04 -38319061.83 -38319061.59 0.0089 0.0057
 Neptune -109623-01-10 14:38 J -38318368.14 -38318367.89 -38318367.59 0.0089 0.0033
 Saturn -109623-12-15 08:09 J -38318029.45 -38318029.16 -38318028.85 0.0298 0.0094
 Neptune -109622-12-05 12:57 J -38317674.25 -38317673.96 -38317673.66 0.0089 0.0008
 Neptune -109620-10-29 11:31 J -38316980.30 -38316980.02 -38316979.72 0.0089 0.0018
 Neptune -109618-09-23 11:16 J -38316286.27 -38316286.03 -38316285.75 0.0089 0.0043
 Neptune -109616-08-17 11:02 J -38315592.21 -38315592.04 -38315591.83 0.0089 0.0068

Saturn -109607-12-23 08:52 J -38312177.37 -38312177.13 -38312176.88 0.0264 0.0123
 Uranus -109606-03-25 18:57 J -38312084.93 -38312084.71 -38312084.46 0.0132 0.0082
 Uranus -109604-02-23 07:26 J -38311384.21 -38311384.19 -38311384.11 0.0131 0.0130
 Jupiter -109600-11-04 13:40 J -38309669.19 -38309668.93 -38309668.66 0.0497 0.0188
 Saturn -109592-02-08 00:00 J -38307016.75 -38307016.50 -38307016.22 0.0297 0.0154
 Saturn -109578-02-15 18:28 J -38301895.97 -38301895.73 -38301895.49 0.0263 0.0133
 Jupiter -109564-08-10 04:33 J -38296606.48 -38296606.31 -38296606.13 0.0496 0.0381
 Uranus -109562-07-10 18:28 J -38295907.04 -38295906.73 -38295906.41 0.0147 0.0013
 Saturn -109548-04-02 15:07 J -38290892.15 -38290891.87 -38290891.59 0.0263 0.0002
 Jupiter -109546-05-14 09:07 J -38290120.29 -38290120.12 -38290119.94 0.0529 0.0394
 Neptune -109544-12-11 11:16 J -38289178.15 -38289178.03 -38289177.84 0.0088 0.0079
 Neptune -109542-11-07 11:45 J -38288482.27 -38288482.01 -38288481.72 0.0088 0.0050
 Neptune -109540-10-03 11:31 J -38287786.34 -38287786.02 -38287785.69 0.0089 0.0021
 Neptune -109538-08-30 10:19 J -38287090.39 -38287090.07 -38287089.73 0.0089 0.0009
 Neptune -109536-07-26 08:24 J -38286394.45 -38286394.15 -38286393.84 0.0089 0.0037
 Saturn -109534-05-12 09:07 J -38285739.42 -38285739.12 -38285738.81 0.0298 0.0062
 Neptune -109534-06-22 05:16 J -38285698.47 -38285698.28 -38285698.02 0.0089 0.0066
 Uranus -109522-11-18 12:57 J -38281166.27 -38281165.96 -38281165.66 0.0132 0.0001
 Saturn -109520-05-27 03:07 J -38280610.43 -38280610.37 -38280610.28 0.0263 0.0253
 Saturn -109518-05-19 22:48 J -38279887.77 -38279887.55 -38279887.31 0.0265 0.0147
 Jupiter -109510-02-16 21:21 J -38277057.85 -38277057.61 -38277057.37 0.0529 0.0236
 Saturn -109504-07-06 15:07 J -38274726.11 -38274725.87 -38274725.62 0.0297 0.0186
 Saturn -109490-07-13 00:14 J -38269606.73 -38269606.49 -38269606.24 0.0263 0.0121
 Uranus -109477-03-05 16:19 J -38264986.97 -38264986.82 -38264986.63 0.0147 0.0123
 Saturn -109476-08-12 07:26 J -38264462.26 -38264462.19 -38264462.07 0.0299 0.0284
 Neptune -109462-10-01 18:28 J -38259298.88 -38259298.73 -38259298.51 0.0089 0.0069
 Neptune -109460-08-25 17:02 J -38258605.04 -38258604.79 -38258604.52 0.0089 0.0043
 Saturn -109460-08-28 02:09 J -38258602.69 -38258602.41 -38258602.13 0.0264 0.0020
 Neptune -109458-07-20 15:50 J -38257911.12 -38257910.84 -38257910.54 0.0089 0.0018
 Neptune -109456-06-13 14:09 J -38257217.20 -38257216.91 -38257216.61 0.0089 0.0008

Neptune -109454-05-08 12:28 J -38256523.24 -38256522.98 -38256522.69 0.0089 0.0034
 Neptune -109452-04-01 12:57 J -38255829.16 -38255828.96 -38255828.72 0.0089 0.0059
 Neptune -109450-02-24 13:12 J -38255135.00 -38255134.95 -38255134.82 0.0089 0.0085
 Saturn -109446-10-07 15:21 J -38253449.17 -38253448.86 -38253448.55 0.0298 0.0037
 Jupiter -109445-01-28 20:09 J -38253335.94 -38253335.66 -38253335.37 0.0497 0.0035
 Uranus -109439-08-12 18:14 J -38250947.75 -38250947.74 -38250947.70 0.0132 0.0132
 Uranus -109437-07-13 04:33 J -38250247.54 -38250247.31 -38250247.05 0.0132 0.0080
 Saturn -109432-10-21 09:36 J -38248321.20 -38248321.10 -38248320.99 0.0262 0.0241
 Saturn -109430-10-14 01:12 J -38247598.66 -38247598.45 -38247598.21 0.0264 0.0155
 Saturn -109416-11-30 16:48 J -38242437.01 -38242436.80 -38242436.56 0.0297 0.0206
 Pluto -109414-07-31 13:55 J -38241829.24 -38241828.92 -38241828.58 0.0080 0.0012
 Saturn -109402-12-07 05:31 J -38237317.52 -38237317.27 -38237317.01 0.0263 0.0106
 Uranus -109395-11-25 08:52 J -38234772.39 -38234772.13 -38234771.86 0.0147 0.0078
 Jupiter -109392-08-06 18:57 J -38233786.95 -38233786.71 -38233786.47 0.0528 0.0236
 Saturn -109387-01-06 23:45 J -38232172.64 -38232172.51 -38232172.36 0.0299 0.0266
 Neptune -109378-06-20 22:19 J -38228720.78 -38228720.57 -38228720.31 0.0088 0.0063
 Neptune -109376-05-16 22:48 J -38228024.85 -38228024.55 -38228024.23 0.0089 0.0033
 Neptune -109374-04-12 22:48 J -38227328.88 -38227328.55 -38227328.21 0.0089 0.0004
 Neptune -109372-03-08 21:50 J -38226632.91 -38226632.59 -38226632.27 0.0089 0.0026
 Saturn -109371-01-22 01:55 J -38226313.69 -38226313.42 -38226313.14 0.0263 0.0028
 Neptune -109370-02-02 19:12 J -38225936.93 -38225936.70 -38225936.41 0.0089 0.0056
 Neptune -109369-12-29 16:33 J -38225240.90 -38225240.81 -38225240.69 0.0089 0.0084
 Saturn -109357-03-01 23:02 J -38221160.85 -38221160.54 -38221160.22 0.0298 0.0023
 Jupiter -109356-05-13 00:28 J -38220723.62 -38220723.48 -38220723.34 0.0530 0.0449
 Uranus -109354-04-07 10:19 J -38220029.34 -38220029.07 -38220028.79 0.0132 0.0051
 Saturn -109343-03-17 06:43 J -38216032.34 -38216032.22 -38216032.08 0.0262 0.0230
 Saturn -109341-03-08 22:48 J -38215309.76 -38215309.55 -38215309.33 0.0264 0.0168
 Saturn -109327-04-26 17:16 J -38210147.98 -38210147.78 -38210147.56 0.0297 0.0216
 Jupiter -109327-07-18 19:55 J -38210064.80 -38210064.67 -38210064.53 0.0498 0.0434
 Saturn -109313-05-02 00:28 J -38205028.73 -38205028.48 -38205028.22 0.0262 0.0097

Uranus -109310-07-22 15:36 J -38203852.15 -38203851.85 -38203851.55 0.0147 0.0038
 Saturn -109299-06-01 14:09 J -38199885.07 -38199884.91 -38199884.76 0.0299 0.0259
 Neptune -109298-05-16 20:09 J -38199535.74 -38199535.66 -38199535.50 0.0089 0.0081
 Neptune -109296-04-09 18:28 J -38198841.94 -38198841.73 -38198841.48 0.0089 0.0055
 Neptune -109294-03-04 16:33 J -38198148.08 -38198147.81 -38198147.52 0.0089 0.0029
 Neptune -109292-01-26 16:04 J -38197454.13 -38197453.83 -38197453.53 0.0089 0.0003
 Jupiter -109291-04-23 21:21 J -38197001.88 -38197001.61 -38197001.34 0.0497 0.0161
 Neptune -109291-12-21 14:24 J -38196760.19 -38196759.90 -38196759.62 0.0089 0.0023
 Neptune -109289-11-14 12:00 J -38196066.22 -38196066.00 -38196065.73 0.0089 0.0050
 Neptune -109287-10-09 12:14 J -38195372.15 -38195371.99 -38195371.84 0.0089 0.0075
 Saturn -109283-06-17 14:38 J -38194025.16 -38194024.89 -38194024.61 0.0263 0.0037
 Uranus -109270-12-01 01:55 J -38189110.71 -38189110.42 -38189110.12 0.0132 0.0030
 Saturn -109269-07-26 07:55 J -38188872.48 -38188872.17 -38188871.85 0.0298 0.0019
 Pluto -109255-07-14 21:21 J -38183770.89 -38183770.61 -38183770.30 0.0064 0.0015
 Saturn -109255-08-10 22:33 J -38183743.70 -38183743.56 -38183743.40 0.0262 0.0220
 Saturn -109253-08-02 10:33 J -38183021.25 -38183021.06 -38183020.83 0.0264 0.0172
 Saturn -109239-09-18 18:43 J -38177860.92 -38177860.72 -38177860.49 0.0297 0.0217
 Jupiter -109238-11-01 10:04 J -38177452.34 -38177452.08 -38177451.81 0.0529 0.0012
 Saturn -109225-09-25 07:26 J -38172740.44 -38172740.19 -38172739.92 0.0262 0.0092
 Neptune -109214-02-01 06:28 J -38168959.39 -38168959.23 -38168959.04 0.0088 0.0076
 Neptune -109213-12-28 06:28 J -38168263.48 -38168263.23 -38168262.91 0.0088 0.0047
 Saturn -109211-10-25 10:19 J -38167597.21 -38167597.07 -38167596.90 0.0299 0.0259
 Neptune -109211-11-24 07:12 J -38167567.52 -38167567.20 -38167566.86 0.0089 0.0016
 Neptune -109209-10-20 06:43 J -38166871.53 -38166871.22 -38166870.87 0.0089 0.0015
 Neptune -109207-09-16 05:31 J -38166175.53 -38166175.27 -38166174.95 0.0089 0.0045
 Neptune -109205-08-12 03:21 J -38165479.50 -38165479.36 -38165479.14 0.0089 0.0075
 Saturn -109195-11-11 01:26 J -38161736.71 -38161736.44 -38161736.16 0.0263 0.0043
 Uranus -109187-08-25 10:19 J -38158892.24 -38158892.07 -38158891.85 0.0132 0.0099
 Uranus -109185-07-25 20:52 J -38158191.78 -38158191.63 -38158191.46 0.0132 0.0112
 Saturn -109181-12-17 23:45 J -38156585.82 -38156585.51 -38156585.19 0.0299 0.0021

Jupiter -109173-10-12 12:14 J -38153730.25 -38153729.99 -38153729.73 0.0498 0.0203
 Saturn -109166-01-04 00:28 J -38151455.62 -38151455.48 -38151455.31 0.0262 0.0216
 Saturn -109165-12-26 12:57 J -38150733.16 -38150732.96 -38150732.74 0.0264 0.0176
 Saturn -109150-02-11 07:40 J -38145573.38 -38145573.18 -38145572.95 0.0297 0.0213
 Uranus -109143-12-08 03:50 J -38142716.64 -38142716.34 -38142716.03 0.0147 0.0037
 Jupiter -109137-07-18 19:26 J -38140666.83 -38140666.69 -38140666.52 0.0496 0.0413
 Saturn -109136-02-18 17:02 J -38140452.05 -38140451.79 -38140451.52 0.0262 0.0082
 Neptune -109133-11-22 19:40 J -38139078.86 -38139078.68 -38139078.47 0.0089 0.0067
 Neptune -109131-10-17 17:31 J -38138385.01 -38138384.77 -38138384.49 0.0089 0.0041
 Neptune -109129-09-10 14:52 J -38137691.16 -38137690.88 -38137690.58 0.0089 0.0014
 Neptune -109127-08-05 13:26 J -38136997.23 -38136996.94 -38136996.64 0.0089 0.0013
 Neptune -109125-06-29 12:00 J -38136303.26 -38136303.00 -38136302.73 0.0089 0.0039
 Neptune -109123-05-24 09:50 J -38135609.26 -38135609.09 -38135608.87 0.0089 0.0066
 Saturn -109122-03-18 21:21 J -38135310.76 -38135310.61 -38135310.46 0.0299 0.0260
 Jupiter -109119-04-22 04:33 J -38134180.47 -38134180.31 -38134180.14 0.0528 0.0417
 Saturn -109106-04-06 00:28 J -38129448.75 -38129448.48 -38129448.21 0.0263 0.0047
 Uranus -109102-04-20 07:40 J -38127973.48 -38127973.18 -38127972.88 0.0132 0.0016
 Saturn -109092-05-12 09:21 J -38124298.42 -38124298.11 -38124297.80 0.0298 0.0023
 Jupiter -109083-01-25 18:43 J -38121117.96 -38121117.72 -38121117.48 0.0530 0.0231
 Saturn -109078-05-30 09:21 J -38119167.28 -38119167.11 -38119166.93 0.0262 0.0204
 Saturn -109076-05-21 21:21 J -38118444.80 -38118444.61 -38118444.40 0.0264 0.0184
 Saturn -109062-07-05 21:07 J -38113286.83 -38113286.62 -38113286.39 0.0297 0.0212
 Uranus -109058-08-04 12:14 J -38111796.25 -38111795.99 -38111795.73 0.0147 0.0079
 Neptune -109049-08-10 12:43 J -38108502.20 -38108501.97 -38108501.70 0.0089 0.0060
 Saturn -109048-07-14 15:07 J -38108164.12 -38108163.87 -38108163.59 0.0262 0.0080
 Neptune -109047-07-07 12:57 J -38107806.25 -38107805.96 -38107805.62 0.0089 0.0030
 Neptune -109045-06-02 13:40 J -38107110.27 -38107109.93 -38107109.60 0.0089 0.0002
 Neptune -109043-04-29 13:12 J -38106414.24 -38106413.95 -38106413.62 0.0089 0.0033
 Neptune -109041-03-25 12:28 J -38105718.20 -38105717.98 -38105717.73 0.0089 0.0063
 Saturn -109034-08-11 09:07 J -38103023.25 -38103023.12 -38103022.95 0.0299 0.0261

Jupiter -109018-01-07 14:09 J -38097395.19 -38097394.91 -38097394.63 0.0497 0.0055

Saturn -109018-08-30 12:14 J -38097160.25 -38097159.99 -38097159.71 0.0263 0.0059

Uranus -109018-12-14 04:19 J -38097054.57 -38097054.32 -38097054.05 0.0132 0.0067

Saturn -109004-10-04 08:38 J -38092011.45 -38092011.14 -38092010.83 0.0298 0.0019

109TH MILLENNIUM BCE

This is a list of transits of Mars in the 109th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-108990-10-23 09:21 J	-38086879.27	-38086879.11	-38086878.92	0.0262	0.0202		
Saturn	-108988-10-14 23:45 J	-38086156.69	-38086156.51	-38086156.31	0.0264	0.0189		
Uranus	-108975-04-25 11:02 J	-38081581.22	-38081581.04	-38081580.84	0.0147	0.0117		
Saturn	-108974-11-28 18:57 J	-38080998.92	-38080998.71	-38080998.49	0.0297	0.0215		
Neptune	-108969-07-07 18:00 J	-38079315.85	-38079315.75	-38079315.60	0.0089	0.0080		
Neptune	-108967-06-01 16:04 J	-38078622.06	-38078621.83	-38078621.59	0.0089	0.0053		
Neptune	-108965-04-25 14:24 J	-38077928.18	-38077927.90	-38077927.62	0.0089	0.0026		
Jupiter	-108965-07-16 06:43 J	-38077846.46	-38077846.22	-38077845.98	0.0528	0.0214		
Neptune	-108963-03-20 12:00 J	-38077234.30	-38077234.00	-38077233.71	0.0089	0.0001		
Neptune	-108961-02-12 10:04 J	-38076540.34	-38076540.08	-38076539.78	0.0089	0.0029		
Saturn	-108960-12-08 07:55 J	-38075875.44	-38075875.17	-38075874.90	0.0263	0.0064		
Neptune	-108959-01-06 09:21 J	-38075846.34	-38075846.11	-38075845.87	0.0089	0.0055		
Neptune	-108958-12-01 07:12 J	-38075152.29	-38075152.20	-38075152.07	0.0089	0.0082		

Saturn -108945-01-04 00:00 J -38070735.66 -38070735.50 -38070735.32 0.0298 0.0250
 Uranus -108935-09-07 16:19 J -38066836.09 -38066835.82 -38066835.55 0.0132 0.0060
 Saturn -108929-01-23 18:43 J -38064871.98 -38064871.72 -38064871.45 0.0263 0.0065
 Jupiter -108929-04-21 14:38 J -38064782.99 -38064782.89 -38064782.77 0.0530 0.0483
 Pluto -108919-03-29 15:36 J -38061154.15 -38061153.85 -38061153.51 0.0080 0.0025
 Saturn -108915-02-27 16:33 J -38059723.12 -38059722.81 -38059722.49 0.0298 0.0010
 Saturn -108901-03-18 06:00 J -38054590.43 -38054590.25 -38054590.04 0.0263 0.0184
 Jupiter -108900-06-27 19:40 J -38054123.88 -38054123.68 -38054123.47 0.0499 0.0340
 Saturn -108899-03-10 23:02 J -38053867.71 -38053867.54 -38053867.37 0.0264 0.0207
 Uranus -108891-12-20 11:31 J -38050661.33 -38050661.02 -38050660.70 0.0147 0.0006
 Neptune -108885-03-23 17:02 J -38048740.94 -38048740.79 -38048740.57 0.0089 0.0075
 Saturn -108885-04-23 00:14 J -38048710.67 -38048710.49 -38048710.28 0.0297 0.0232
 Neptune -108883-02-17 17:31 J -38048045.03 -38048044.77 -38048044.44 0.0089 0.0044
 Neptune -108881-01-14 18:57 J -38047349.05 -38047348.71 -38047348.38 0.0089 0.0012
 Neptune -108880-12-10 18:57 J -38046653.03 -38046652.71 -38046652.37 0.0089 0.0020
 Neptune -108878-11-06 18:43 J -38045956.98 -38045956.72 -38045956.43 0.0089 0.0051
 Neptune -108876-10-02 17:31 J -38045260.87 -38045260.77 -38045260.62 0.0089 0.0082
 Saturn -108871-05-03 18:00 J -38043587.01 -38043586.75 -38043586.47 0.0263 0.0057
 Jupiter -108864-04-02 14:38 J -38041061.14 -38041060.89 -38041060.65 0.0497 0.0250
 Saturn -108857-05-29 20:09 J -38038446.85 -38038446.66 -38038446.47 0.0298 0.0233
 Uranus -108850-05-03 11:02 J -38035917.33 -38035917.04 -38035916.74 0.0132 0.0022
 Saturn -108841-06-18 22:48 J -38032582.80 -38032582.55 -38032582.28 0.0264 0.0086
 Saturn -108827-07-24 17:31 J -38027434.08 -38027433.77 -38027433.45 0.0298 0.0014
 Saturn -108813-08-11 22:48 J -38022301.74 -38022301.55 -38022301.33 0.0263 0.0176
 Saturn -108811-08-04 17:02 J -38021578.93 -38021578.79 -38021578.62 0.0264 0.0217
 Jupiter -108811-10-10 13:40 J -38021512.19 -38021511.93 -38021511.66 0.0529 0.0002
 Uranus -108806-08-16 18:14 J -38019740.92 -38019740.74 -38019740.51 0.0147 0.0112
 Neptune -108803-01-14 16:19 J -38018859.01 -38018858.82 -38018858.62 0.0089 0.0066
 Neptune -108802-12-09 13:12 J -38018165.20 -38018164.95 -38018164.67 0.0089 0.0039
 Neptune -108800-11-02 11:16 J -38017471.31 -38017471.03 -38017470.73 0.0089 0.0012

Neptune -108798-09-27 08:38 J -38016777.42 -38016777.14 -38016776.84 0.0089 0.0017
 Saturn -108797-09-17 09:21 J -38016421.26 -38016421.11 -38016420.93 0.0297 0.0253
 Neptune -108796-08-21 05:31 J -38016083.50 -38016083.27 -38016082.99 0.0089 0.0045
 Neptune -108794-07-16 04:19 J -38015389.47 -38015389.32 -38015389.12 0.0089 0.0072
 Saturn -108783-09-28 04:19 J -38011297.59 -38011297.32 -38011297.05 0.0264 0.0034
 Saturn -108769-10-24 16:48 J -38006157.02 -38006156.80 -38006156.56 0.0298 0.0204
 Uranus -108767-01-25 20:24 J -38005698.82 -38005698.65 -38005698.47 0.0132 0.0107
 Uranus -108766-12-27 03:21 J -38004998.54 -38004998.36 -38004998.17 0.0132 0.0104
 Pluto -108760-03-14 20:24 J -38003093.92 -38003093.65 -38003093.36 0.0064 0.0023
 Saturn -108753-11-12 22:19 J -38000293.82 -38000293.57 -38000293.30 0.0264 0.0097
 Jupiter -108746-09-21 03:07 J -37997790.63 -37997790.37 -37997790.10 0.0499 0.0182
 Saturn -108739-12-19 12:43 J -37995144.27 -37995143.97 -37995143.65 0.0298 0.0041
 Saturn -108724-01-06 11:45 J -37990012.23 -37990012.01 -37990011.78 0.0264 0.0154
 Uranus -108723-05-07 16:04 J -37989526.07 -37989525.83 -37989525.55 0.0147 0.0084
 Saturn -108723-12-30 08:24 J -37989289.25 -37989289.15 -37989289.03 0.0265 0.0241
 Neptune -108720-09-30 20:09 J -37988283.88 -37988283.66 -37988283.37 0.0089 0.0059
 Neptune -108718-08-27 20:52 J -37987587.93 -37987587.63 -37987587.29 0.0089 0.0027
 Neptune -108716-07-23 21:36 J -37986891.93 -37986891.60 -37986891.26 0.0089 0.0006
 Neptune -108714-06-19 21:50 J -37986195.87 -37986195.59 -37986195.27 0.0089 0.0038
 Neptune -108712-05-15 21:50 J -37985499.77 -37985499.59 -37985499.36 0.0089 0.0070
 Jupiter -108710-06-27 02:38 J -37984727.54 -37984727.39 -37984727.23 0.0497 0.0416
 Saturn -108708-02-12 16:04 J -37984130.90 -37984130.83 -37984130.73 0.0296 0.0285
 Saturn -108694-02-22 06:57 J -37979008.49 -37979008.21 -37979007.93 0.0263 0.0023
 Jupiter -108692-03-30 09:07 J -37978241.20 -37978241.12 -37978241.03 0.0527 0.0494
 Uranus -108683-09-20 13:26 J -37974780.23 -37974779.94 -37974779.64 0.0132 0.0024
 Saturn -108680-03-21 17:31 J -37973867.02 -37973866.77 -37973866.51 0.0298 0.0172
 Saturn -108664-04-09 13:12 J -37968004.19 -37968003.95 -37968003.70 0.0264 0.0120
 Jupiter -108656-01-02 12:14 J -37965179.24 -37965178.99 -37965178.73 0.0528 0.0125
 Saturn -108650-05-17 04:19 J -37962853.62 -37962853.32 -37962853.02 0.0297 0.0074
 Neptune -108640-08-29 15:07 J -37959095.96 -37959095.87 -37959095.71 0.0089 0.0080

Uranus -108638-01-02 06:57 J -37958605.51 -37958605.21 -37958604.90 0.0147 0.0038
 Neptune -108638-07-24 12:28 J -37958402.21 -37958401.98 -37958401.73 0.0089 0.0052
 Saturn -108636-06-02 16:33 J -37957723.04 -37957722.81 -37957722.57 0.0263 0.0142
 Neptune -108636-06-17 09:21 J -37957708.39 -37957708.11 -37957707.82 0.0089 0.0024
 Neptune -108634-05-12 07:12 J -37957014.49 -37957014.20 -37957013.90 0.0089 0.0004
 Saturn -108634-05-26 12:00 J -37957000.08 -37957000.00 -37956999.91 0.0265 0.0252
 Neptune -108632-04-05 05:02 J -37956320.55 -37956320.29 -37956320.00 0.0089 0.0033
 Neptune -108630-02-28 02:24 J -37955626.59 -37955626.40 -37955626.16 0.0089 0.0061
 Neptune -108628-01-22 01:26 J -37954932.44 -37954932.44 -37954932.41 0.0089 0.0088
 Saturn -108606-07-19 20:09 J -37946718.93 -37946718.66 -37946718.38 0.0264 0.0004
 Uranus -108598-05-16 08:52 J -37943861.38 -37943861.13 -37943860.84 0.0132 0.0059
 Saturn -108592-08-17 09:36 J -37941576.37 -37941576.10 -37941575.82 0.0297 0.0142
 Jupiter -108592-12-14 06:28 J -37941457.51 -37941457.23 -37941456.94 0.0498 0.0030
 Saturn -108578-09-12 03:21 J -37936437.39 -37936437.36 -37936437.31 0.0263 0.0260
 Saturn -108576-09-03 18:14 J -37935714.98 -37935714.74 -37935714.50 0.0264 0.0130
 Saturn -108562-10-11 20:09 J -37930563.95 -37930563.66 -37930563.36 0.0297 0.0102
 Neptune -108556-05-13 23:02 J -37928522.72 -37928522.54 -37928522.36 0.0089 0.0074
 Neptune -108554-04-10 00:00 J -37927826.78 -37927826.50 -37927826.18 0.0089 0.0042
 Neptune -108552-03-06 01:12 J -37927130.78 -37927130.45 -37927130.11 0.0089 0.0009
 Neptune -108550-01-31 01:40 J -37926434.75 -37926434.43 -37926434.10 0.0089 0.0024
 Neptune -108549-12-27 01:40 J -37925738.66 -37925738.43 -37925738.14 0.0089 0.0057
 Saturn -108548-10-28 03:21 J -37925433.59 -37925433.36 -37925433.11 0.0263 0.0124
 Neptune -108547-11-23 02:09 J -37925042.41 -37925042.41 -37925042.40 0.0089 0.0089
 Jupiter -108538-06-23 10:48 J -37921908.24 -37921908.05 -37921907.86 0.0527 0.0357
 Saturn -108518-12-14 00:43 J -37914429.74 -37914429.47 -37914429.19 0.0263 0.0009
 Uranus -108515-02-07 21:36 J -37913642.85 -37913642.60 -37913642.34 0.0132 0.0069
 Pluto -108514-08-04 08:52 J -37913100.34 -37913100.13 -37913099.91 0.0064 0.0045
 Saturn -108503-01-11 13:40 J -37909287.22 -37909286.93 -37909286.64 0.0298 0.0118
 Jupiter -108502-03-29 06:14 J -37908845.44 -37908845.24 -37908845.02 0.0529 0.0313
 Saturn -108489-02-06 08:52 J -37904148.21 -37904148.13 -37904148.01 0.0263 0.0245

Saturn -108487-01-28 23:45 J -37903425.73 -37903425.51 -37903425.27 0.0264 0.0147
 Neptune -108474-03-08 12:43 J -37898639.13 -37898638.97 -37898638.74 0.0089 0.0066
 Saturn -108473-03-07 18:14 J -37898274.02 -37898273.74 -37898273.45 0.0297 0.0122
 Jupiter -108473-06-02 13:12 J -37898187.03 -37898186.95 -37898186.85 0.0500 0.0472
 Neptune -108472-01-30 11:02 J -37897945.31 -37897945.04 -37897944.77 0.0089 0.0037
 Uranus -108471-05-20 20:38 J -37897469.93 -37897469.64 -37897469.32 0.0147 0.0036
 Neptune -108471-12-25 07:26 J -37897251.48 -37897251.19 -37897250.89 0.0089 0.0009
 Neptune -108469-11-18 04:19 J -37896557.59 -37896557.32 -37896557.02 0.0089 0.0021
 Neptune -108467-10-13 02:09 J -37895863.64 -37895863.41 -37895863.15 0.0089 0.0049
 Neptune -108465-09-05 22:33 J -37895169.67 -37895169.56 -37895169.38 0.0089 0.0078
 Saturn -108459-03-24 05:16 J -37893144.52 -37893144.28 -37893144.02 0.0263 0.0113
 Jupiter -108437-03-08 19:26 J -37885123.96 -37885123.69 -37885123.41 0.0498 0.0147
 Uranus -108431-10-03 18:00 J -37882724.05 -37882723.75 -37882723.45 0.0132 0.0015
 Saturn -108429-05-08 22:48 J -37882140.83 -37882140.55 -37882140.28 0.0263 0.0021
 Saturn -108415-06-07 20:52 J -37876997.91 -37876997.63 -37876997.33 0.0298 0.0104
 Saturn -108401-07-02 07:55 J -37871859.28 -37871859.17 -37871859.02 0.0263 0.0233
 Saturn -108399-06-24 18:57 J -37871136.93 -37871136.71 -37871136.48 0.0263 0.0154
 Neptune -108391-11-21 01:26 J -37868065.67 -37868065.44 -37868065.16 0.0089 0.0058
 Neptune -108389-10-17 02:52 J -37867369.68 -37867369.38 -37867369.03 0.0089 0.0025
 Neptune -108387-09-13 04:19 J -37866673.65 -37866673.32 -37866672.97 0.0089 0.0010
 Uranus -108386-01-15 00:57 J -37866549.70 -37866549.46 -37866549.17 0.0147 0.0079
 Saturn -108385-07-31 15:50 J -37865986.11 -37865985.84 -37865985.55 0.0298 0.0133
 Neptune -108385-08-09 04:48 J -37865977.58 -37865977.30 -37865976.99 0.0089 0.0043
 Jupiter -108384-09-16 15:07 J -37865574.13 -37865573.87 -37865573.62 0.0528 0.0145
 Neptune -108383-07-06 05:02 J -37865281.43 -37865281.29 -37865281.08 0.0089 0.0076
 Saturn -108371-08-17 21:50 J -37860855.84 -37860855.59 -37860855.34 0.0263 0.0103
 Jupiter -108348-06-22 00:00 J -37852511.56 -37852511.50 -37852511.41 0.0530 0.0507
 Uranus -108348-06-28 05:02 J -37852505.43 -37852505.29 -37852505.13 0.0133 0.0114
 Uranus -108346-05-29 11:45 J -37851805.20 -37851805.01 -37851804.79 0.0132 0.0097
 Saturn -108341-10-02 16:48 J -37849852.07 -37849851.80 -37849851.52 0.0263 0.0030

Saturn -108327-10-31 03:36 J -37844710.64 -37844710.35 -37844710.05 0.0298 0.0100
 Jupiter -108319-08-27 19:40 J -37841852.92 -37841852.68 -37841852.43 0.0499 0.0256
 Saturn -108313-11-25 18:28 J -37839570.86 -37839570.73 -37839570.58 0.0263 0.0226
 Neptune -108311-10-21 14:52 J -37838876.01 -37838875.88 -37838875.75 0.0089 0.0079
 Saturn -108311-11-18 05:16 J -37838848.49 -37838848.28 -37838848.06 0.0264 0.0161
 Neptune -108309-09-14 11:31 J -37838182.23 -37838182.02 -37838181.75 0.0089 0.0051
 Neptune -108307-08-09 09:07 J -37837488.39 -37837488.12 -37837487.81 0.0089 0.0022
 Neptune -108305-07-03 05:45 J -37836794.55 -37836794.26 -37836793.96 0.0089 0.0008
 Uranus -108304-10-05 16:33 J -37836334.97 -37836334.81 -37836334.60 0.0146 0.0119
 Neptune -108303-05-28 02:24 J -37836100.66 -37836100.40 -37836100.12 0.0089 0.0037
 Neptune -108301-04-21 00:14 J -37835406.67 -37835406.49 -37835406.27 0.0089 0.0066
 Saturn -108297-12-24 20:09 J -37833697.93 -37833697.66 -37833697.37 0.0297 0.0136
 Jupiter -108283-06-03 09:35 J -37828789.27 -37828789.10 -37828788.91 0.0498 0.0387
 Saturn -108282-01-11 13:40 J -37828567.18 -37828566.93 -37828566.66 0.0263 0.0093
 Uranus -108263-02-20 21:21 J -37821586.89 -37821586.61 -37821586.31 0.0133 0.0033
 Saturn -108252-02-25 22:04 J -37817563.85 -37817563.58 -37817563.30 0.0263 0.0036
 Saturn -108238-03-25 20:38 J -37812422.92 -37812422.64 -37812422.33 0.0298 0.0100
 Jupiter -108230-12-11 18:43 J -37809239.98 -37809239.72 -37809239.46 0.0528 0.0067
 Neptune -108227-07-04 04:48 J -37808304.46 -37808304.30 -37808304.09 0.0089 0.0074
 Neptune -108225-05-30 06:28 J -37807608.52 -37807608.23 -37807607.92 0.0089 0.0040
 Saturn -108224-04-21 07:11 J -37807282.35 -37807282.20 -37807282.03 0.0263 0.0213
 Neptune -108223-04-26 08:24 J -37806912.49 -37806912.15 -37806911.81 0.0089 0.0006
 Saturn -108222-04-13 17:02 J -37806559.99 -37806559.79 -37806559.57 0.0263 0.0169
 Neptune -108221-03-22 09:21 J -37806216.41 -37806216.11 -37806215.77 0.0089 0.0029
 Neptune -108219-02-16 10:33 J -37805520.29 -37805520.06 -37805519.82 0.0089 0.0062
 Uranus -108219-06-01 22:19 J -37805414.89 -37805414.57 -37805414.25 0.0146 0.0004
 Saturn -108208-05-18 10:04 J -37801411.35 -37801411.08 -37801410.79 0.0298 0.0134
 Saturn -108194-06-06 13:55 J -37796279.17 -37796278.92 -37796278.65 0.0263 0.0089
 Uranus -108179-10-16 09:21 J -37790668.39 -37790668.11 -37790667.83 0.0132 0.0048
 Jupiter -108165-11-21 21:07 J -37785517.91 -37785517.62 -37785517.33 0.0499 0.0010

Saturn -108164-07-22 09:35 J -37785275.37 -37785275.10 -37785274.82 0.0263 0.0047
 Saturn -108150-08-17 11:31 J -37780136.31 -37780136.02 -37780135.72 0.0298 0.0100
 Neptune -108145-04-29 14:38 J -37778419.09 -37778418.89 -37778418.68 0.0089 0.0064
 Neptune -108143-03-24 11:16 J -37777725.28 -37777725.03 -37777724.74 0.0089 0.0035
 Neptune -108141-02-16 09:50 J -37777031.38 -37777031.09 -37777030.79 0.0089 0.0005
 Neptune -108139-01-10 06:14 J -37776337.51 -37776337.24 -37776336.95 0.0089 0.0025
 Neptune -108138-12-05 02:09 J -37775643.61 -37775643.41 -37775643.15 0.0089 0.0055
 Saturn -108136-09-14 05:16 J -37774994.44 -37774994.28 -37774994.11 0.0263 0.0211
 Neptune -108136-10-28 23:45 J -37774949.58 -37774949.51 -37774949.39 0.0089 0.0084
 Uranus -108134-01-27 06:28 J -37774494.41 -37774494.23 -37774494.01 0.0147 0.0113
 Saturn -108134-09-06 17:16 J -37774271.98 -37774271.78 -37774271.56 0.0263 0.0173
 Saturn -108120-10-10 23:16 J -37769123.80 -37769123.53 -37769123.24 0.0297 0.0133
 Jupiter -108111-06-01 17:02 J -37765967.97 -37765967.79 -37765967.59 0.0527 0.0362
 Saturn -108106-10-31 02:52 J -37763990.64 -37763990.38 -37763990.11 0.0263 0.0075
 Uranus -108096-07-10 17:45 J -37760449.97 -37760449.76 -37760449.51 0.0133 0.0084
 Uranus -108094-06-11 00:28 J -37759749.52 -37759749.48 -37759749.38 0.0132 0.0129
 Saturn -108076-12-15 10:04 J -37752987.35 -37752987.08 -37752986.80 0.0263 0.0050
 Jupiter -108075-03-07 18:57 J -37752904.91 -37752904.71 -37752904.50 0.0528 0.0331
 Saturn -108061-01-10 05:45 J -37747848.55 -37747848.26 -37747847.96 0.0298 0.0096
 Neptune -108061-01-11 11:45 J -37747847.26 -37747847.01 -37747846.74 0.0089 0.0056
 Neptune -108060-12-07 13:26 J -37747151.25 -37747150.94 -37747150.60 0.0089 0.0022
 Neptune -108058-11-03 15:07 J -37746455.19 -37746454.87 -37746454.52 0.0089 0.0014
 Neptune -108056-09-29 17:02 J -37745759.07 -37745758.79 -37745758.51 0.0089 0.0048
 Neptune -108054-08-26 17:16 J -37745062.87 -37745062.78 -37745062.63 0.0089 0.0083
 Uranus -108052-10-18 04:48 J -37744279.55 -37744279.30 -37744279.02 0.0146 0.0079
 Saturn -108047-02-07 19:40 J -37742705.85 -37742705.68 -37742705.49 0.0263 0.0196
 Jupiter -108046-05-13 01:55 J -37742246.60 -37742246.42 -37742246.24 0.0500 0.0391
 Saturn -108045-01-31 09:35 J -37741983.29 -37741983.10 -37741982.90 0.0264 0.0187
 Saturn -108031-03-05 08:09 J -37736836.42 -37736836.16 -37736835.87 0.0297 0.0141
 Saturn -108017-03-25 04:04 J -37731702.59 -37731702.33 -37731702.06 0.0263 0.0072

Uranus -108011-03-05 08:24 J -37729531.45 -37729531.15 -37729530.85 0.0133 0.0004

Jupiter -108010-02-16 06:57 J -37729183.46 -37729183.21 -37729182.95 0.0499 0.0234

108TH MILLENNIUM BCE

This is a list of transits of Mars in the 108th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-107987-05-11 05:02 J	-37720698.55	-37720698.29	-37720698.01	0.0264	0.0067		
Neptune	-107982-12-13 20:38 J	-37718655.76	-37718655.64	-37718655.49	0.0089	0.0078		
Neptune	-107980-11-06 17:45 J	-37717962.00	-37717961.76	-37717961.51	0.0089	0.0048		
Neptune	-107978-10-01 13:40 J	-37717268.21	-37717267.93	-37717267.63	0.0089	0.0018		
Neptune	-107976-08-25 11:16 J	-37716574.32	-37716574.03	-37716573.73	0.0089	0.0013		
Neptune	-107974-07-20 07:26 J	-37715880.43	-37715880.19	-37715879.91	0.0089	0.0043		
Saturn	-107973-06-04 08:09 J	-37715560.45	-37715560.16	-37715559.85	0.0297	0.0084		
Neptune	-107972-06-13 03:21 J	-37715186.50	-37715186.36	-37715186.16	0.0089	0.0073		
Uranus	-107967-06-14 16:33 J	-37713359.10	-37713358.81	-37713358.49	0.0146	0.0039		
Saturn	-107959-07-04 01:11 J	-37710417.63	-37710417.45	-37710417.26	0.0263	0.0193		
Saturn	-107957-06-25 17:16 J	-37709694.97	-37709694.78	-37709694.59	0.0264	0.0193		
Jupiter	-107957-08-26 08:38 J	-37709633.39	-37709633.14	-37709632.88	0.0527	0.0127		
Saturn	-107943-07-29 23:02 J	-37704547.81	-37704547.54	-37704547.27	0.0297	0.0153		
Pluto	-107932-09-05 21:21 J	-37700491.93	-37700491.61	-37700491.27	0.0080	0.0013		
Saturn	-107929-08-19 04:48 J	-37699413.57	-37699413.30	-37699413.03	0.0264	0.0054		

Uranus -107927-10-29 00:00 J -37698612.72 -37698612.50 -37698612.23 0.0133 0.0078
 Jupiter -107921-05-31 11:16 J -37696571.10 -37696571.03 -37696570.95 0.0529 0.0504
 Saturn -107899-10-04 18:43 J -37688409.98 -37688409.72 -37688409.45 0.0264 0.0073
 Neptune -107898-08-24 18:57 J -37688085.89 -37688085.71 -37688085.50 0.0089 0.0072
 Neptune -107896-07-20 20:24 J -37687389.95 -37687389.65 -37687389.33 0.0089 0.0037
 Neptune -107894-06-16 22:19 J -37686693.91 -37686693.57 -37686693.24 0.0089 0.0002
 Neptune -107892-05-12 23:45 J -37685997.80 -37685997.51 -37685997.18 0.0089 0.0034
 Jupiter -107892-08-05 21:21 J -37685912.87 -37685912.61 -37685912.34 0.0500 0.0200
 Neptune -107890-04-09 01:40 J -37685301.62 -37685301.43 -37685301.20 0.0089 0.0069
 Saturn -107885-10-29 12:43 J -37683271.28 -37683270.97 -37683270.67 0.0297 0.0062
 Saturn -107871-11-28 06:28 J -37678128.43 -37678128.23 -37678128.01 0.0264 0.0175
 Saturn -107869-11-20 00:57 J -37677405.61 -37677405.46 -37677405.29 0.0265 0.0214
 Jupiter -107856-05-12 06:57 J -37672849.34 -37672849.21 -37672849.06 0.0498 0.0434
 Saturn -107855-12-24 13:11 J -37672258.19 -37672257.95 -37672257.69 0.0297 0.0178
 Uranus -107844-07-23 08:09 J -37668394.42 -37668394.16 -37668393.87 0.0133 0.0055
 Saturn -107840-01-13 00:14 J -37667124.76 -37667124.49 -37667124.22 0.0264 0.0046
 Saturn -107826-01-30 12:57 J -37661994.07 -37661993.96 -37661993.83 0.0297 0.0272
 Neptune -107816-06-21 23:02 J -37658198.73 -37658198.54 -37658198.31 0.0089 0.0062
 Neptune -107814-05-16 20:38 J -37657504.91 -37657504.64 -37657504.36 0.0089 0.0031
 Neptune -107812-04-09 17:02 J -37656811.09 -37656810.79 -37656810.50 0.0089 0.0000
 Saturn -107810-03-01 06:14 J -37656120.49 -37656120.24 -37656119.98 0.0264 0.0094
 Neptune -107810-03-04 14:24 J -37656117.16 -37656116.90 -37656116.61 0.0089 0.0031
 Neptune -107808-01-26 12:00 J -37655423.21 -37655423.00 -37655422.78 0.0089 0.0061
 Jupiter -107803-11-19 14:09 J -37653300.18 -37653299.91 -37653299.65 0.0527 0.0015
 Uranus -107800-10-30 12:14 J -37652224.28 -37652223.99 -37652223.67 0.0146 0.0046
 Saturn -107796-03-26 19:40 J -37650980.99 -37650980.68 -37650980.37 0.0297 0.0034
 Saturn -107782-04-24 07:11 J -37645839.40 -37645839.20 -37645838.97 0.0264 0.0166
 Saturn -107780-04-16 01:26 J -37645116.58 -37645116.44 -37645116.28 0.0264 0.0223
 Pluto -107773-08-25 23:31 J -37642427.69 -37642427.52 -37642427.27 0.0064 0.0047
 Saturn -107766-05-21 10:33 J -37639968.28 -37639968.06 -37639967.83 0.0297 0.0205

Uranus -107759-03-17 22:19 J -37637475.86 -37637475.57 -37637475.28 0.0133 0.0025
 Saturn -107752-06-09 13:26 J -37634835.21 -37634834.94 -37634834.66 0.0264 0.0026
 Saturn -107738-06-28 05:02 J -37629703.46 -37629703.29 -37629703.11 0.0297 0.0243
 Jupiter -107738-10-30 05:31 J -37629579.56 -37629579.27 -37629578.98 0.0500 0.0031
 Neptune -107734-04-07 05:45 J -37628324.28 -37628324.26 -37628324.19 0.0089 0.0088
 Neptune -107732-03-03 06:43 J -37627628.47 -37627628.22 -37627627.92 0.0089 0.0053
 Neptune -107730-01-28 08:52 J -37626932.46 -37626932.13 -37626931.80 0.0089 0.0017
 Neptune -107729-12-24 10:48 J -37626236.38 -37626236.05 -37626235.72 0.0089 0.0019
 Neptune -107727-11-20 12:28 J -37625540.23 -37625539.98 -37625539.71 0.0089 0.0055
 Saturn -107722-07-26 10:33 J -37623831.30 -37623831.06 -37623830.79 0.0264 0.0105
 Uranus -107715-06-26 13:11 J -37621304.22 -37621303.95 -37621303.65 0.0146 0.0066
 Saturn -107708-08-21 18:00 J -37618691.06 -37618690.75 -37618690.43 0.0297 0.0005
 Saturn -107694-09-18 22:48 J -37613549.78 -37613549.55 -37613549.32 0.0264 0.0146
 Saturn -107692-09-10 17:31 J -37612826.86 -37612826.77 -37612826.65 0.0265 0.0244
 Pluto -107685-01-25 21:21 J -37610498.72 -37610498.61 -37610498.45 0.0081 0.0074
 Jupiter -107684-05-09 18:28 J -37610028.84 -37610028.73 -37610028.60 0.0525 0.0466
 Saturn -107678-10-17 03:50 J -37607677.52 -37607677.34 -37607677.14 0.0296 0.0234
 Uranus -107677-12-10 01:55 J -37607257.58 -37607257.42 -37607257.25 0.0133 0.0110
 Uranus -107675-11-10 05:31 J -37606557.43 -37606557.27 -37606557.06 0.0133 0.0103
 Saturn -107664-11-03 22:04 J -37602545.86 -37602545.58 -37602545.30 0.0264 0.0015
 Neptune -107652-02-04 07:11 J -37598435.32 -37598435.20 -37598435.02 0.0089 0.0076
 Neptune -107651-12-30 04:48 J -37597741.53 -37597741.30 -37597741.02 0.0089 0.0045
 Saturn -107650-11-22 21:35 J -37597413.81 -37597413.60 -37597413.38 0.0297 0.0216
 Neptune -107649-11-23 02:38 J -37597047.68 -37597047.39 -37597047.10 0.0089 0.0013
 Jupiter -107648-02-12 05:16 J -37596966.52 -37596966.28 -37596966.03 0.0527 0.0190
 Neptune -107647-10-17 22:19 J -37596353.84 -37596353.57 -37596353.27 0.0089 0.0019
 Neptune -107645-09-10 18:43 J -37595659.94 -37595659.72 -37595659.46 0.0089 0.0050
 Neptune -107643-08-05 15:35 J -37594965.94 -37594965.85 -37594965.70 0.0089 0.0081
 Saturn -107634-12-21 00:28 J -37591541.71 -37591541.48 -37591541.23 0.0264 0.0124
 Uranus -107632-03-17 01:55 J -37591089.55 -37591089.42 -37591089.28 0.0145 0.0131

Saturn -107619-01-17 07:40 J -37586400.49 -37586400.18 -37586399.87 0.0297 0.0022
 Saturn -107605-02-13 07:26 J -37581260.41 -37581260.19 -37581259.94 0.0264 0.0134
 Saturn -107603-02-04 23:31 J -37580537.58 -37580537.52 -37580537.42 0.0264 0.0253
 Uranus -107592-08-04 10:19 J -37576339.34 -37576339.07 -37576338.77 0.0133 0.0033
 Saturn -107589-03-12 11:16 J -37575388.17 -37575388.03 -37575387.86 0.0297 0.0258
 Jupiter -107583-01-22 10:33 J -37573246.34 -37573246.06 -37573245.78 0.0500 0.0130
 Saturn -107575-03-31 06:00 J -37570256.52 -37570256.25 -37570255.97 0.0264 0.0004
 Neptune -107569-10-14 18:57 J -37567866.88 -37567866.71 -37567866.45 0.0089 0.0069
 Neptune -107567-09-10 20:38 J -37567170.94 -37567170.64 -37567170.31 0.0089 0.0032
 Neptune -107565-08-06 22:04 J -37566474.91 -37566474.58 -37566474.23 0.0089 0.0005
 Neptune -107563-07-04 00:00 J -37565778.78 -37565778.50 -37565778.19 0.0089 0.0041
 Saturn -107561-04-19 00:28 J -37565123.71 -37565123.48 -37565123.24 0.0297 0.0193
 Neptune -107561-05-30 01:40 J -37565082.56 -37565082.43 -37565082.23 0.0089 0.0078
 Uranus -107548-11-11 08:09 J -37560169.48 -37560169.16 -37560168.84 0.0146 0.0017
 Saturn -107547-05-24 13:11 J -37559975.03 -37559974.95 -37559974.86 0.0264 0.0250
 Saturn -107545-05-16 03:21 J -37559252.59 -37559252.36 -37559252.11 0.0264 0.0134
 Saturn -107531-06-13 00:28 J -37554111.79 -37554111.48 -37554111.17 0.0297 0.0042
 Jupiter -107530-08-03 14:24 J -37553695.12 -37553694.90 -37553694.68 0.0526 0.0279
 Pluto -107526-01-16 10:33 J -37552433.31 -37552433.06 -37552432.78 0.0064 0.0031
 Saturn -107517-07-09 08:52 J -37548971.37 -37548971.13 -37548970.87 0.0264 0.0120
 Uranus -107507-03-29 19:11 J -37545420.97 -37545420.70 -37545420.41 0.0133 0.0045
 Saturn -107501-08-07 00:57 J -37543098.56 -37543098.46 -37543098.32 0.0296 0.0274
 Jupiter -107494-05-08 15:07 J -37540633.05 -37540632.87 -37540632.67 0.0528 0.0358
 Neptune -107487-08-14 13:55 J -37537978.12 -37537977.92 -37537977.68 0.0089 0.0058
 Saturn -107487-08-25 06:57 J -37537967.48 -37537967.21 -37537966.93 0.0263 0.0014
 Neptune -107485-07-08 11:02 J -37537284.31 -37537284.04 -37537283.75 0.0089 0.0026
 Neptune -107483-06-02 08:38 J -37536590.44 -37536590.14 -37536589.85 0.0089 0.0006
 Neptune -107481-04-26 04:48 J -37535896.55 -37535896.30 -37535896.01 0.0089 0.0038
 Neptune -107479-03-21 01:11 J -37535202.61 -37535202.45 -37535202.24 0.0089 0.0070
 Saturn -107473-09-12 00:57 J -37532835.70 -37532835.46 -37532835.20 0.0297 0.0180

Jupiter -107465-07-11 18:43 J -37529975.93 -37529975.72 -37529975.48 0.0501 0.0316
 Uranus -107463-07-08 15:35 J -37529249.07 -37529248.85 -37529248.60 0.0146 0.0097
 Saturn -107459-10-18 07:26 J -37527686.29 -37527686.19 -37527686.07 0.0264 0.0241
 Saturn -107457-10-09 22:04 J -37526963.80 -37526963.58 -37526963.34 0.0264 0.0144
 Saturn -107443-11-06 22:48 J -37521822.85 -37521822.55 -37521822.23 0.0297 0.0053
 Jupiter -107429-04-17 14:24 J -37516912.09 -37516911.90 -37516911.69 0.0499 0.0354
 Saturn -107429-12-03 06:57 J -37516682.46 -37516682.21 -37516681.96 0.0263 0.0106
 Uranus -107425-12-22 01:26 J -37515202.66 -37515202.44 -37515202.22 0.0133 0.0090
 Uranus -107423-11-22 05:31 J -37514502.36 -37514502.27 -37514502.13 0.0133 0.0123
 Saturn -107413-12-30 12:43 J -37510811.06 -37510810.97 -37510810.86 0.0297 0.0280
 Neptune -107405-05-28 11:02 J -37508105.13 -37508105.04 -37508104.93 0.0089 0.0084
 Neptune -107403-04-24 11:45 J -37507409.27 -37507409.01 -37507408.70 0.0089 0.0048
 Neptune -107401-03-20 13:26 J -37506713.26 -37506712.94 -37506712.59 0.0089 0.0011
 Neptune -107399-02-14 14:52 J -37506017.19 -37506016.88 -37506016.54 0.0089 0.0027
 Saturn -107398-01-18 18:43 J -37505678.99 -37505678.72 -37505678.44 0.0263 0.0021
 Neptune -107397-01-11 16:48 J -37505321.01 -37505320.80 -37505320.54 0.0089 0.0064
 Saturn -107384-02-05 08:52 J -37500547.37 -37500547.13 -37500546.87 0.0297 0.0174
 Uranus -107380-03-29 06:43 J -37499034.44 -37499034.22 -37499033.97 0.0145 0.0098
 Jupiter -107376-10-27 11:16 J -37497361.29 -37497361.03 -37497360.77 0.0526 0.0087
 Saturn -107370-03-14 00:57 J -37495397.60 -37495397.46 -37495397.32 0.0264 0.0226
 Saturn -107368-03-05 14:09 J -37494675.13 -37494674.91 -37494674.68 0.0263 0.0154
 Saturn -107354-03-31 21:35 J -37489535.91 -37489535.60 -37489535.29 0.0297 0.0055
 Saturn -107340-04-28 10:33 J -37484394.31 -37484394.06 -37484393.80 0.0263 0.0102
 Uranus -107340-08-16 11:16 J -37484284.32 -37484284.03 -37484283.73 0.0133 0.0013
 Saturn -107324-05-25 10:48 J -37478523.14 -37478523.05 -37478522.95 0.0297 0.0282
 Neptune -107323-03-30 00:14 J -37478214.63 -37478214.49 -37478214.28 0.0089 0.0072
 Neptune -107321-02-21 22:33 J -37477520.82 -37477520.56 -37477520.30 0.0089 0.0039
 Neptune -107319-01-15 19:11 J -37476826.99 -37476826.70 -37476826.40 0.0089 0.0007
 Neptune -107318-12-10 16:04 J -37476133.10 -37476132.83 -37476132.54 0.0089 0.0026
 Neptune -107316-11-03 12:43 J -37475439.17 -37475438.97 -37475438.73 0.0089 0.0058

Jupiter -107311-10-06 15:07 J -37473641.16 -37473640.87 -37473640.58 0.0501 0.0053
 Saturn -107310-06-14 07:26 J -37473390.47 -37473390.19 -37473389.92 0.0263 0.0033
 Saturn -107296-06-30 02:09 J -37468260.66 -37468260.41 -37468260.15 0.0297 0.0173
 Uranus -107296-11-23 08:52 J -37468114.45 -37468114.13 -37468113.81 0.0146 0.0012
 Saturn -107282-08-07 00:00 J -37463109.65 -37463109.50 -37463109.36 0.0264 0.0224
 Pluto -107280-06-08 00:14 J -37462438.74 -37462438.49 -37462438.19 0.0064 0.0025
 Saturn -107280-07-29 14:38 J -37462387.10 -37462386.89 -37462386.66 0.0264 0.0157
 Saturn -107266-08-24 12:14 J -37457248.29 -37457247.99 -37457247.67 0.0297 0.0055
 Jupiter -107257-04-17 16:48 J -37454088.86 -37454088.80 -37454088.73 0.0525 0.0508
 Uranus -107255-04-10 22:33 J -37453365.81 -37453365.56 -37453365.29 0.0133 0.0065
 Saturn -107252-09-21 23:16 J -37452105.79 -37452105.53 -37452105.27 0.0264 0.0089
 Neptune -107240-12-06 04:48 J -37447647.53 -37447647.30 -37447647.05 0.0089 0.0063
 Neptune -107238-11-02 06:00 J -37446951.56 -37446951.25 -37446950.91 0.0089 0.0026
 Neptune -107236-09-28 07:40 J -37446255.51 -37446255.18 -37446254.84 0.0089 0.0013
 Saturn -107236-10-17 02:24 J -37446236.49 -37446236.40 -37446236.30 0.0297 0.0281
 Neptune -107234-08-25 08:38 J -37445559.38 -37445559.14 -37445558.83 0.0089 0.0051
 Neptune -107232-07-21 10:48 J -37444863.06 -37444863.05 -37444862.97 0.0089 0.0088
 Saturn -107222-11-07 06:00 J -37441102.53 -37441102.25 -37441101.98 0.0263 0.0035
 Jupiter -107221-01-22 11:16 J -37441026.27 -37441026.03 -37441025.78 0.0526 0.0175
 Uranus -107211-07-20 07:11 J -37437194.36 -37437194.20 -37437194.00 0.0146 0.0120
 Saturn -107208-11-22 16:19 J -37435973.06 -37435972.82 -37435972.55 0.0297 0.0172
 Saturn -107194-12-31 12:28 J -37430821.14 -37430820.98 -37430820.81 0.0264 0.0211
 Jupiter -107192-03-26 15:07 J -37430369.96 -37430369.87 -37430369.76 0.0502 0.0470
 Saturn -107192-12-23 04:04 J -37430098.54 -37430098.33 -37430098.11 0.0264 0.0169
 Saturn -107177-01-16 09:21 J -37424961.41 -37424961.11 -37424960.80 0.0297 0.0056
 Uranus -107172-01-03 02:24 J -37423147.65 -37423147.40 -37423147.15 0.0133 0.0071
 Saturn -107163-02-14 21:07 J -37419817.88 -37419817.62 -37419817.36 0.0264 0.0088
 Neptune -107160-11-12 12:00 J -37418451.07 -37418451.00 -37418450.91 0.0089 0.0085
 Neptune -107158-10-07 09:50 J -37417757.30 -37417757.09 -37417756.83 0.0089 0.0053
 Jupiter -107157-12-31 06:14 J -37417306.51 -37417306.24 -37417305.97 0.0501 0.0191

Neptune -107156-08-31 07:26 J -37417063.47 -37417063.19 -37417062.90 0.0089 0.0020
 Neptune -107154-07-26 03:50 J -37416369.63 -37416369.34 -37416369.05 0.0089 0.0013
 Neptune -107152-06-19 00:14 J -37415675.73 -37415675.49 -37415675.23 0.0089 0.0046
 Neptune -107150-05-13 20:52 J -37414981.74 -37414981.63 -37414981.47 0.0089 0.0079
 Saturn -107147-03-11 18:57 J -37413948.79 -37413948.71 -37413948.60 0.0297 0.0283
 Saturn -107133-04-01 20:38 J -37408813.90 -37408813.64 -37408813.36 0.0264 0.0049
 Uranus -107128-04-09 10:48 J -37406980.30 -37406980.05 -37406979.76 0.0145 0.0081
 Saturn -107119-04-17 01:40 J -37403685.67 -37403685.43 -37403685.16 0.0296 0.0168
 Saturn -107105-05-25 11:16 J -37398533.20 -37398533.03 -37398532.87 0.0264 0.0211
 Saturn -107103-05-18 05:16 J -37397810.48 -37397810.28 -37397810.06 0.0264 0.0172
 Jupiter -107103-07-13 13:11 J -37397754.17 -37397753.95 -37397753.72 0.0525 0.0259
 Saturn -107089-06-10 08:24 J -37392673.46 -37392673.15 -37392672.84 0.0297 0.0062
 Uranus -107088-08-28 07:11 J -37392229.50 -37392229.20 -37392228.91 0.0133 0.0005
 Neptune -107076-07-19 22:33 J -37387885.68 -37387885.56 -37387885.38 0.0089 0.0079
 Saturn -107075-07-11 14:52 J -37387529.14 -37387528.88 -37387528.61 0.0264 0.0073
 Neptune -107074-06-15 23:31 J -37387189.80 -37387189.52 -37387189.20 0.0089 0.0041
 Neptune -107072-05-12 01:26 J -37386493.77 -37386493.44 -37386493.10 0.0089 0.0002
 Neptune -107070-04-08 02:52 J -37385797.66 -37385797.38 -37385797.05 0.0089 0.0037
 Neptune -107068-03-04 04:33 J -37385101.46 -37385101.31 -37385101.10 0.0089 0.0075
 Jupiter -107067-04-17 11:45 J -37384692.20 -37384692.01 -37384691.83 0.0527 0.0368
 Saturn -107059-08-04 14:52 J -37381660.93 -37381660.88 -37381660.81 0.0296 0.0291
 Saturn -107045-08-26 01:55 J -37376525.69 -37376525.42 -37376525.15 0.0264 0.0052
 Uranus -107044-12-04 10:19 J -37376060.38 -37376060.07 -37376059.75 0.0145 0.0028
 Jupiter -107038-06-20 22:04 J -37374035.83 -37374035.58 -37374035.32 0.0502 0.0245
 Pluto -107034-10-29 21:21 J -37372443.84 -37372443.61 -37372443.33 0.0064 0.0034
 Saturn -107031-09-10 11:31 J -37371397.27 -37371397.02 -37371396.74 0.0296 0.0156
 Saturn -107017-10-19 08:38 J -37366244.31 -37366244.14 -37366243.94 0.0265 0.0196
 Saturn -107015-10-12 06:00 J -37365521.44 -37365521.25 -37365521.05 0.0265 0.0189
 Uranus -107005-05-22 08:52 J -37362011.13 -37362011.13 -37362011.09 0.0134 0.0134
 Uranus -107003-04-22 11:16 J -37361311.24 -37361311.03 -37361310.77 0.0133 0.0080

Jupiter -107002-03-27 18:43 J -37360971.86 -37360971.72 -37360971.56 0.0500 0.0428

Saturn -107001-11-04 00:57 J -37360384.76 -37360384.46 -37360384.16 0.0296 0.0076

107TH MILLENNIUM BCE

This is a list of transits of Mars in the 107th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-106994-05-22 20:24 J	-37357993.81	-37357993.65	-37357993.43	0.0089	0.0067		
Neptune	-106992-04-15 18:43 J	-37357299.98	-37357299.72	-37357299.43	0.0089	0.0033		
Neptune	-106990-03-10 17:02 J	-37356606.09	-37356605.79	-37356605.50	0.0089	0.0001		
Neptune	-106988-02-01 13:26 J	-37355912.20	-37355911.94	-37355911.66	0.0089	0.0034		
Saturn	-106987-12-05 00:57 J	-37355240.72	-37355240.46	-37355240.19	0.0264	0.0070		
Neptune	-106987-12-27 09:07 J	-37355218.27	-37355218.12	-37355217.89	0.0089	0.0068		
Uranus	-106959-07-31 11:31 J	-37345140.09	-37345140.02	-37345139.88	0.0146	0.0138		
Saturn	-106956-01-20 06:14 J	-37344236.50	-37344236.24	-37344235.96	0.0265	0.0070		
Jupiter	-106949-10-06 02:38 J	-37341420.65	-37341420.39	-37341420.14	0.0525	0.0098		
Saturn	-106942-02-04 23:31 J	-37339107.80	-37339107.52	-37339107.24	0.0296	0.0135		
Saturn	-106928-03-15 00:00 J	-37333955.68	-37333955.50	-37333955.30	0.0265	0.0191		
Saturn	-106926-03-07 22:19 J	-37333232.75	-37333232.57	-37333232.38	0.0264	0.0195		
Uranus	-106920-01-14 14:52 J	-37331093.15	-37331092.88	-37331092.61	0.0134	0.0058		
Saturn	-106912-03-31 09:21 J	-37328095.40	-37328095.11	-37328094.80	0.0296	0.0099		
Neptune	-106910-01-27 19:26 J	-37327427.94	-37327427.69	-37327427.42	0.0089	0.0056		

Neptune -106909-12-23 20:38 J -37326731.95 -37326731.64 -37326731.29 0.0089 0.0018
 Neptune -106907-11-19 22:33 J -37326035.88 -37326035.56 -37326035.22 0.0089 0.0022
 Neptune -106905-10-16 00:28 J -37325339.71 -37325339.48 -37325339.22 0.0089 0.0061
 Saturn -106898-05-01 07:26 J -37322951.46 -37322951.19 -37322950.91 0.0265 0.0052
 Jupiter -106884-09-13 15:21 J -37317702.15 -37317701.86 -37317701.57 0.0502 0.0047
 Uranus -106876-04-20 21:21 J -37314925.89 -37314925.61 -37314925.30 0.0145 0.0060
 Saturn -106868-06-16 03:07 J -37311947.63 -37311947.37 -37311947.10 0.0264 0.0077
 Saturn -106854-07-02 14:52 J -37306818.17 -37306817.88 -37306817.59 0.0296 0.0108
 Saturn -106840-08-09 10:48 J -37301666.25 -37301666.05 -37301665.84 0.0265 0.0174
 Saturn -106838-08-02 09:50 J -37300943.24 -37300943.09 -37300942.92 0.0265 0.0215
 Uranus -106836-09-08 20:38 J -37300174.93 -37300174.64 -37300174.35 0.0133 0.0016
 Neptune -106830-01-05 10:33 J -37298230.15 -37298230.06 -37298229.91 0.0089 0.0081
 Neptune -106829-11-29 08:09 J -37297536.39 -37297536.16 -37297535.89 0.0089 0.0047
 Neptune -106827-10-24 05:31 J -37296842.56 -37296842.27 -37296841.98 0.0089 0.0012
 Neptune -106825-09-17 02:52 J -37296148.66 -37296148.38 -37296148.09 0.0089 0.0022
 Saturn -106824-08-26 21:21 J -37295804.88 -37295804.61 -37295804.31 0.0296 0.0126
 Neptune -106823-08-11 22:33 J -37295454.76 -37295454.56 -37295454.30 0.0089 0.0056
 Saturn -106810-09-25 11:02 J -37290662.31 -37290662.04 -37290661.76 0.0265 0.0043
 Jupiter -106795-12-30 19:11 J -37285086.96 -37285086.70 -37285086.45 0.0525 0.0082
 Uranus -106792-12-15 23:31 J -37284005.81 -37284005.52 -37284005.21 0.0145 0.0050
 Pluto -106787-03-21 18:28 J -37282448.90 -37282448.73 -37282448.49 0.0064 0.0047
 Saturn -106780-11-10 16:33 J -37279658.06 -37279657.81 -37279657.55 0.0265 0.0096
 Saturn -106766-11-28 08:09 J -37274527.45 -37274527.16 -37274526.85 0.0296 0.0081
 Uranus -106753-06-03 03:21 J -37269956.49 -37269956.36 -37269956.23 0.0134 0.0119
 Saturn -106751-01-03 18:57 J -37269376.92 -37269376.71 -37269376.48 0.0265 0.0161
 Uranus -106751-05-04 04:04 J -37269256.52 -37269256.33 -37269256.09 0.0133 0.0092
 Saturn -106750-12-27 15:21 J -37268653.99 -37268653.86 -37268653.70 0.0265 0.0225
 Neptune -106747-09-10 15:21 J -37267666.05 -37267665.86 -37267665.66 0.0089 0.0072
 Neptune -106745-08-06 15:50 J -37266970.14 -37266969.84 -37266969.52 0.0089 0.0033
 Neptune -106743-07-03 17:31 J -37266274.11 -37266273.77 -37266273.44 0.0089 0.0007

Neptune -106741-05-29 18:57 J -37265577.98 -37265577.71 -37265577.40 0.0089 0.0047
 Neptune -106739-04-25 20:52 J -37264881.66 -37264881.63 -37264881.51 0.0089 0.0087
 Saturn -106735-01-21 14:52 J -37263515.14 -37263514.88 -37263514.60 0.0296 0.0153
 Jupiter -106730-12-07 16:33 J -37261369.09 -37261368.81 -37261368.52 0.0502 0.0112
 Saturn -106721-02-19 23:31 J -37258372.79 -37258372.52 -37258372.24 0.0265 0.0025
 Saturn -106707-02-28 18:43 J -37253249.81 -37253249.72 -37253249.63 0.0295 0.0283
 Pluto -106700-08-18 06:28 J -37250522.45 -37250522.23 -37250521.94 0.0080 0.0053
 Saturn -106691-04-06 23:02 J -37247368.78 -37247368.54 -37247368.28 0.0264 0.0108
 Saturn -106677-04-23 16:33 J -37242238.12 -37242237.81 -37242237.50 0.0296 0.0055
 Jupiter -106676-06-20 05:31 J -37241815.44 -37241815.27 -37241815.10 0.0523 0.0392
 Uranus -106668-01-26 09:07 J -37239038.38 -37239038.12 -37239037.83 0.0134 0.0045
 Neptune -106665-07-14 20:38 J -37237772.83 -37237772.64 -37237772.40 0.0089 0.0061
 Saturn -106663-05-31 03:35 J -37237087.57 -37237087.35 -37237087.11 0.0265 0.0145
 Neptune -106663-06-08 18:43 J -37237079.00 -37237078.72 -37237078.43 0.0089 0.0026
 Neptune -106661-05-02 15:21 J -37236385.15 -37236384.86 -37236384.57 0.0089 0.0009
 Saturn -106661-05-23 00:00 J -37236364.61 -37236364.50 -37236364.39 0.0265 0.0240
 Neptune -106659-03-27 12:43 J -37235691.20 -37235690.97 -37235690.69 0.0089 0.0044
 Neptune -106657-02-19 09:35 J -37234997.21 -37234997.10 -37234996.93 0.0089 0.0078
 Saturn -106647-06-18 22:48 J -37231224.79 -37231224.55 -37231224.28 0.0296 0.0177
 Jupiter -106640-03-24 22:19 J -37228753.80 -37228753.57 -37228753.33 0.0525 0.0229
 Saturn -106633-07-16 06:28 J -37226083.51 -37226083.23 -37226082.95 0.0264 0.0011
 Uranus -106624-05-01 21:35 J -37222871.89 -37222871.60 -37222871.28 0.0145 0.0045
 Saturn -106619-07-25 14:09 J -37220961.04 -37220960.91 -37220960.76 0.0296 0.0263
 Jupiter -106611-05-26 08:09 J -37218099.34 -37218099.16 -37218098.96 0.0504 0.0379
 Saturn -106605-09-08 04:19 J -37215802.33 -37215802.32 -37215802.30 0.0265 0.0265
 Saturn -106603-09-01 03:50 J -37215079.59 -37215079.34 -37215079.10 0.0264 0.0121
 Saturn -106589-09-18 11:59 J -37209948.31 -37209948.00 -37209947.69 0.0296 0.0036
 Uranus -106584-09-20 13:55 J -37208120.20 -37208119.92 -37208119.62 0.0133 0.0031
 Neptune -106583-04-24 12:57 J -37207903.98 -37207903.96 -37207903.90 0.0089 0.0088
 Neptune -106581-03-20 12:43 J -37207208.23 -37207207.97 -37207207.67 0.0089 0.0049

Neptune -106579-02-14 13:55 J -37206512.25 -37206511.92 -37206511.58 0.0089 0.0009
 Neptune -106577-01-11 15:35 J -37205816.16 -37205815.85 -37205815.53 0.0089 0.0032
 Neptune -106576-12-07 17:45 J -37205119.95 -37205119.76 -37205119.56 0.0089 0.0072
 Jupiter -106575-03-02 08:38 J -37205035.36 -37205035.14 -37205034.91 0.0502 0.0316
 Saturn -106575-10-25 10:19 J -37204798.30 -37204798.07 -37204797.82 0.0264 0.0129
 Saturn -106573-10-17 03:07 J -37204075.45 -37204075.37 -37204075.28 0.0264 0.0251
 Saturn -106559-11-12 05:59 J -37198936.48 -37198936.25 -37198936.00 0.0296 0.0192
 Saturn -106545-12-10 05:02 J -37193794.57 -37193794.29 -37193794.02 0.0264 0.0005
 Uranus -106540-12-26 17:16 J -37191952.07 -37191951.78 -37191951.49 0.0145 0.0061
 Saturn -106531-12-19 18:43 J -37188671.87 -37188671.72 -37188671.54 0.0296 0.0249
 Jupiter -106522-09-13 17:16 J -37185482.01 -37185481.78 -37185481.54 0.0524 0.0226
 Saturn -106516-02-02 07:40 J -37183513.26 -37183513.18 -37183513.07 0.0265 0.0247
 Saturn -106514-01-26 04:33 J -37182790.54 -37182790.31 -37182790.06 0.0264 0.0134
 Neptune -106501-02-28 09:35 J -37178009.25 -37178009.10 -37178008.94 0.0089 0.0075
 Uranus -106501-06-14 16:47 J -37177901.97 -37177901.80 -37177901.61 0.0134 0.0106
 Saturn -106500-02-11 03:21 J -37177660.67 -37177660.36 -37177660.04 0.0296 0.0027
 Neptune -106499-01-22 08:09 J -37177315.41 -37177315.16 -37177314.88 0.0089 0.0040
 Uranus -106499-05-15 16:47 J -37177201.96 -37177201.80 -37177201.60 0.0133 0.0105
 Neptune -106498-12-17 06:14 J -37176621.53 -37176621.24 -37176620.94 0.0089 0.0005
 Neptune -106496-11-10 01:55 J -37175927.68 -37175927.42 -37175927.12 0.0089 0.0031
 Neptune -106494-10-04 22:33 J -37175233.73 -37175233.56 -37175233.33 0.0089 0.0066
 Saturn -106486-03-20 23:59 J -37172509.73 -37172509.50 -37172509.24 0.0264 0.0121
 Jupiter -106486-06-19 04:33 J -37172419.44 -37172419.31 -37172419.17 0.0525 0.0450
 Saturn -106484-03-12 18:28 J -37171786.78 -37171786.73 -37171786.68 0.0264 0.0260
 Saturn -106470-04-07 20:38 J -37166647.86 -37166647.64 -37166647.40 0.0296 0.0201
 Jupiter -106457-08-19 17:31 J -37161765.05 -37161764.77 -37161764.49 0.0503 0.0134
 Uranus -106457-09-15 18:43 J -37161737.79 -37161737.72 -37161737.59 0.0145 0.0138
 Saturn -106456-05-06 01:11 J -37161505.73 -37161505.45 -37161505.17 0.0264 0.0015
 Pluto -106453-01-09 05:02 J -37160527.62 -37160527.29 -37160526.95 0.0080 0.0004
 Saturn -106442-05-13 23:31 J -37156384.69 -37156384.52 -37156384.34 0.0296 0.0243

Saturn -106428-06-28 12:57 J -37151225.06 -37151224.96 -37151224.83 0.0265 0.0242
 Saturn -106426-06-21 11:45 J -37150502.23 -37150502.01 -37150501.77 0.0264 0.0140
 Neptune -106418-11-02 09:50 J -37147446.29 -37147446.09 -37147445.84 0.0089 0.0065
 Uranus -106416-02-06 21:07 J -37146983.90 -37146983.62 -37146983.33 0.0134 0.0032
 Neptune -106416-09-28 09:50 J -37146750.39 -37146750.09 -37146749.75 0.0089 0.0025
 Neptune -106414-08-25 10:47 J -37146054.36 -37146054.05 -37146053.70 0.0089 0.0017
 Saturn -106412-07-07 06:14 J -37145372.55 -37145372.24 -37145371.93 0.0296 0.0021
 Neptune -106412-07-21 12:28 J -37145358.21 -37145357.98 -37145357.70 0.0089 0.0058
 Saturn -106398-08-14 17:16 J -37140221.02 -37140220.78 -37140220.51 0.0265 0.0106
 Saturn -106382-08-30 16:19 J -37134361.04 -37134360.82 -37134360.58 0.0296 0.0202
 Uranus -106372-05-12 21:35 J -37130817.91 -37130817.60 -37130817.28 0.0145 0.0029
 Saturn -106368-09-29 02:52 J -37129217.66 -37129217.38 -37129217.10 0.0264 0.0019
 Jupiter -106368-12-08 11:45 J -37129147.27 -37129147.01 -37129146.75 0.0524 0.0022
 Saturn -106354-10-06 17:59 J -37124096.92 -37124096.75 -37124096.56 0.0295 0.0240
 Saturn -106340-11-22 03:21 J -37118936.50 -37118936.36 -37118936.21 0.0265 0.0228
 Saturn -106338-11-15 01:55 J -37118213.64 -37118213.42 -37118213.19 0.0264 0.0152
 Neptune -106336-09-06 20:23 J -37117551.86 -37117551.65 -37117551.39 0.0089 0.0055
 Neptune -106334-08-01 18:43 J -37116858.00 -37116857.72 -37116857.43 0.0089 0.0019
 Neptune -106332-06-25 16:33 J -37116164.09 -37116163.81 -37116163.52 0.0089 0.0017
 Uranus -106332-10-02 01:55 J -37116065.69 -37116065.42 -37116065.14 0.0133 0.0043
 Neptune -106330-05-20 12:28 J -37115470.20 -37115469.98 -37115469.72 0.0089 0.0053
 Neptune -106328-04-13 09:07 J -37114776.14 -37114776.12 -37114776.07 0.0089 0.0088
 Saturn -106324-11-29 01:40 J -37113085.74 -37113085.43 -37113085.11 0.0296 0.0021
 Saturn -106309-01-07 14:23 J -37107933.15 -37107932.90 -37107932.64 0.0265 0.0105
 Jupiter -106303-11-14 07:40 J -37105430.47 -37105430.18 -37105429.90 0.0503 0.0116
 Saturn -106293-01-23 07:11 J -37102073.42 -37102073.20 -37102072.97 0.0296 0.0202
 Uranus -106287-01-07 01:26 J -37099897.69 -37099897.44 -37099897.16 0.0145 0.0082
 Saturn -106279-02-22 16:04 J -37096929.11 -37096928.83 -37096928.56 0.0265 0.0031
 Saturn -106265-02-28 18:43 J -37091809.90 -37091809.72 -37091809.53 0.0295 0.0238
 Neptune -106254-06-16 06:57 J -37087684.30 -37087684.21 -37087684.05 0.0088 0.0082

Neptune -106252-05-12 06:57 J -37086988.49 -37086988.21 -37086987.89 0.0089 0.0041
 Saturn -106251-04-16 20:52 J -37086648.76 -37086648.63 -37086648.48 0.0265 0.0229
 Neptune -106250-04-08 07:40 J -37086292.51 -37086292.18 -37086291.84 0.0089 0.0001
 Saturn -106249-04-08 23:02 J -37085925.76 -37085925.54 -37085925.32 0.0264 0.0154
 Jupiter -106249-05-29 22:19 J -37085874.73 -37085874.57 -37085874.40 0.0522 0.0397
 Uranus -106249-06-26 09:07 J -37085847.30 -37085847.12 -37085846.88 0.0134 0.0093
 Neptune -106248-03-04 08:38 J -37085596.43 -37085596.14 -37085595.84 0.0089 0.0042
 Uranus -106247-05-27 09:21 J -37085147.22 -37085147.11 -37085146.95 0.0133 0.0118
 Neptune -106246-01-29 10:04 J -37084900.16 -37084900.08 -37084899.94 0.0089 0.0084
 Saturn -106235-04-23 16:47 J -37080798.11 -37080797.80 -37080797.48 0.0296 0.0019
 Saturn -106221-06-02 02:38 J -37075644.64 -37075644.39 -37075644.12 0.0265 0.0092
 Jupiter -106213-03-03 15:50 J -37072813.07 -37072812.84 -37072812.60 0.0524 0.0224
 Pluto -106207-06-01 00:14 J -37070532.70 -37070532.49 -37070532.22 0.0080 0.0057
 Saturn -106205-06-16 12:14 J -37069786.22 -37069785.99 -37069785.76 0.0296 0.0204
 Uranus -106205-09-27 04:04 J -37069683.50 -37069683.33 -37069683.12 0.0145 0.0117
 Saturn -106191-07-18 13:11 J -37064641.22 -37064640.95 -37064640.68 0.0265 0.0031
 Jupiter -106184-05-03 22:19 J -37062159.79 -37062159.57 -37062159.35 0.0505 0.0329
 Saturn -106177-07-23 15:07 J -37059522.05 -37059521.87 -37059521.67 0.0295 0.0232
 Neptune -106172-04-22 08:52 J -37057788.29 -37057788.13 -37057787.93 0.0089 0.0070
 Neptune -106170-03-17 06:57 J -37057094.47 -37057094.21 -37057093.92 0.0089 0.0034
 Neptune -106168-02-08 05:16 J -37056400.57 -37056400.28 -37056399.99 0.0089 0.0003
 Neptune -106166-01-03 02:52 J -37055706.64 -37055706.38 -37055706.11 0.0089 0.0039
 Neptune -106165-11-26 23:16 J -37055012.67 -37055012.53 -37055012.36 0.0089 0.0075
 Uranus -106164-02-18 18:43 J -37054929.01 -37054928.72 -37054928.43 0.0134 0.0016
 Saturn -106163-09-10 11:31 J -37054360.16 -37054360.02 -37054359.84 0.0266 0.0218
 Saturn -106161-09-02 16:04 J -37053637.03 -37053636.83 -37053636.61 0.0265 0.0167
 Jupiter -106148-02-08 06:57 J -37049095.40 -37049095.21 -37049095.02 0.0502 0.0386
 Saturn -106147-09-16 14:23 J -37048510.21 -37048509.90 -37048509.59 0.0295 0.0013
 Saturn -106133-10-26 03:50 J -37043356.59 -37043356.34 -37043356.07 0.0265 0.0093
 Uranus -106120-05-24 04:47 J -37038763.62 -37038763.30 -37038762.97 0.0145 0.0010

Saturn -106117-11-09 18:43 J -37037497.93 -37037497.72 -37037497.50 0.0296 0.0213
 Saturn -106103-12-12 10:04 J -37032352.35 -37032352.08 -37032351.80 0.0265 0.0045
 Jupiter -106095-08-23 19:26 J -37029540.93 -37029540.69 -37029540.46 0.0522 0.0216
 Saturn -106089-12-17 07:11 J -37027233.39 -37027233.20 -37027232.98 0.0294 0.0222
 Neptune -106089-12-24 03:35 J -37027226.59 -37027226.35 -37027226.08 0.0088 0.0058
 Neptune -106087-11-20 04:04 J -37026530.66 -37026530.33 -37026529.99 0.0089 0.0016
 Neptune -106085-10-16 04:19 J -37025834.62 -37025834.32 -37025833.98 0.0089 0.0027
 Neptune -106083-09-12 05:02 J -37025138.47 -37025138.29 -37025138.04 0.0089 0.0069
 Uranus -106080-10-14 01:40 J -37024010.68 -37024010.43 -37024010.16 0.0133 0.0061
 Saturn -106074-02-03 18:14 J -37022071.89 -37022071.74 -37022071.57 0.0266 0.0217
 Saturn -106072-01-26 23:59 J -37021348.70 -37021348.50 -37021348.28 0.0265 0.0170
 Jupiter -106059-05-29 01:11 J -37016478.57 -37016478.45 -37016478.31 0.0525 0.0449
 Saturn -106058-02-10 07:11 J -37016221.51 -37016221.20 -37016220.89 0.0295 0.0002
 Saturn -106044-03-22 03:50 J -37011067.60 -37011067.34 -37011067.07 0.0266 0.0079
 Uranus -106035-01-18 01:55 J -37007843.66 -37007843.42 -37007843.18 0.0146 0.0096
 Jupiter -106030-07-29 05:02 J -37005825.57 -37005825.29 -37005824.99 0.0504 0.0094
 Saturn -106028-04-06 00:14 J -37005208.67 -37005208.49 -37005208.28 0.0295 0.0228
 Saturn -106014-05-07 23:16 J -37000063.80 -37000063.53 -37000063.25 0.0265 0.0049
 Neptune -106009-12-05 20:09 J -36998024.71 -36998024.66 -36998024.55 0.0089 0.0086
 Neptune -106007-10-30 19:55 J -36997330.90 -36997330.67 -36997330.41 0.0089 0.0049
 Neptune -106005-09-23 17:45 J -36996637.04 -36996636.76 -36996636.46 0.0089 0.0012
 Neptune -106003-08-18 14:38 J -36995943.17 -36995942.89 -36995942.60 0.0089 0.0025
 Neptune -106001-07-12 11:16 J -36995249.22 -36995249.03 -36995248.79 0.0089 0.0062

106TH MILLENNIUM BCE

This is a list of transits of Mars in the 106th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-106000-05-13 09:35 J		-36994944.32	-36994944.10	-36994943.87	0.0295	0.0203	
Uranus	-105997-07-08 10:33 J		-36993792.30	-36993792.06	-36993791.81	0.0134	0.0073	
Saturn	-105986-06-30 23:16 J		-36989782.70	-36989782.53	-36989782.34	0.0267	0.0204	
Saturn	-105984-06-23 06:57 J		-36989059.40	-36989059.21	-36989059.01	0.0266	0.0186	
Saturn	-105970-07-08 05:16 J		-36983931.59	-36983931.28	-36983930.97	0.0295	0.0022	
Saturn	-105956-08-16 01:11 J		-36978778.71	-36978778.45	-36978778.18	0.0266	0.0072	
Uranus	-105953-10-07 23:45 J		-36977629.72	-36977629.51	-36977629.27	0.0145	0.0103	
Jupiter	-105941-11-16 18:28 J		-36973206.99	-36973206.73	-36973206.47	0.0523	0.0022	
Saturn	-105940-08-31 11:45 J		-36972919.16	-36972919.01	-36972918.83	0.0295	0.0251	
Saturn	-105926-10-02 10:33 J		-36967774.33	-36967774.06	-36967773.79	0.0266	0.0066	
Neptune	-105925-08-06 23:02 J		-36967464.68	-36967464.54	-36967464.33	0.0088	0.0076	
Neptune	-105923-07-03 22:19 J		-36966768.86	-36966768.57	-36966768.24	0.0088	0.0034	
Neptune	-105921-05-29 22:47 J		-36966072.88	-36966072.55	-36966072.21	0.0089	0.0010	
Neptune	-105919-04-25 23:16 J		-36965376.77	-36965376.53	-36965376.23	0.0089	0.0053	
Uranus	-105912-03-02 16:47 J		-36962874.09	-36962873.80	-36962873.50	0.0134	0.0003	
Saturn	-105912-10-08 20:23 J		-36962653.88	-36962653.65	-36962653.39	0.0294	0.0179	
Saturn	-105898-11-25 03:50 J		-36957493.53	-36957493.34	-36957493.15	0.0266	0.0193	
Saturn	-105896-11-17 09:21 J		-36956770.29	-36956770.11	-36956769.91	0.0265	0.0194	
Saturn	-105882-12-02 21:07 J		-36951641.92	-36951641.62	-36951641.30	0.0295	0.0049	
Jupiter	-105876-10-21 10:19 J		-36949492.36	-36949492.07	-36949491.78	0.0504	0.0080	
Uranus	-105868-06-04 03:21 J		-36946709.68	-36946709.36	-36946709.03	0.0145	0.0007	
Saturn	-105867-01-10 14:38 J		-36946489.16	-36946488.89	-36946488.62	0.0266	0.0056	

Saturn -105851-01-27 04:19 J -36940628.42 -36940628.32 -36940628.20 0.0295 0.0276
 Neptune -105843-06-15 04:33 J -36937567.49 -36937567.31 -36937567.09 0.0089 0.0065
 Neptune -105841-05-09 04:04 J -36936873.60 -36936873.33 -36936873.04 0.0089 0.0027
 Neptune -105839-04-03 02:23 J -36936179.69 -36936179.40 -36936179.11 0.0089 0.0010
 Neptune -105837-02-25 23:02 J -36935485.76 -36935485.54 -36935485.27 0.0089 0.0048
 Saturn -105837-02-26 17:02 J -36935485.04 -36935484.79 -36935484.51 0.0265 0.0078
 Neptune -105835-01-19 20:38 J -36934791.73 -36934791.64 -36934791.55 0.0089 0.0084
 Uranus -105830-11-26 01:40 J -36932655.47 -36932655.43 -36932655.36 0.0134 0.0131
 Uranus -105828-10-25 23:31 J -36931955.76 -36931955.52 -36931955.28 0.0133 0.0078
 Saturn -105823-03-05 11:02 J -36930364.30 -36930364.04 -36930363.76 0.0295 0.0152
 Jupiter -105822-05-08 11:02 J -36929935.12 -36929935.04 -36929934.95 0.0521 0.0488
 Saturn -105809-04-20 15:21 J -36925204.06 -36925203.86 -36925203.64 0.0266 0.0177
 Saturn -105807-04-13 21:50 J -36924480.75 -36924480.59 -36924480.42 0.0266 0.0211
 Saturn -105793-04-29 13:40 J -36919351.23 -36919350.93 -36919350.62 0.0295 0.0075
 Jupiter -105786-02-09 21:07 J -36916873.87 -36916873.62 -36916873.37 0.0523 0.0120
 Uranus -105783-01-29 08:23 J -36915789.31 -36915789.15 -36915788.93 0.0145 0.0118
 Saturn -105779-06-06 23:02 J -36914199.82 -36914199.54 -36914199.27 0.0266 0.0041
 Neptune -105759-02-14 17:02 J -36907007.03 -36907006.79 -36907006.48 0.0088 0.0052
 Neptune -105757-01-11 17:16 J -36906311.11 -36906310.78 -36906310.44 0.0088 0.0008
 Jupiter -105757-04-08 13:55 J -36906223.05 -36906222.92 -36906222.78 0.0506 0.0449
 Neptune -105756-12-07 17:31 J -36905615.06 -36905614.77 -36905614.44 0.0089 0.0036
 Neptune -105754-11-03 18:28 J -36904918.85 -36904918.73 -36904918.54 0.0089 0.0079
 Saturn -105749-07-23 02:38 J -36903195.65 -36903195.39 -36903195.13 0.0266 0.0093
 Uranus -105745-07-20 10:33 J -36901737.32 -36901737.06 -36901736.78 0.0134 0.0055
 Saturn -105735-07-31 21:21 J -36898073.88 -36898073.61 -36898073.32 0.0294 0.0127
 Jupiter -105721-01-14 19:40 J -36893158.92 -36893158.68 -36893158.43 0.0504 0.0272
 Saturn -105721-09-15 02:09 J -36892914.63 -36892914.41 -36892914.18 0.0266 0.0158
 Saturn -105719-09-08 04:33 J -36892191.45 -36892191.31 -36892191.15 0.0265 0.0223
 Saturn -105705-09-23 12:43 J -36887062.26 -36887061.97 -36887061.67 0.0295 0.0097
 Uranus -105701-10-19 13:55 J -36885575.20 -36885574.92 -36885574.65 0.0145 0.0078

Saturn -105691-11-01 04:33 J -36881910.58 -36881910.31 -36881910.03 0.0266 0.0027
 Neptune -105679-01-28 14:38 J -36877803.98 -36877803.89 -36877803.75 0.0089 0.0082
 Neptune -105678-12-23 13:11 J -36877110.18 -36877109.95 -36877109.67 0.0089 0.0044
 Neptune -105676-11-16 11:59 J -36876416.29 -36876416.00 -36876415.70 0.0089 0.0006
 Neptune -105674-10-11 10:04 J -36875722.36 -36875722.08 -36875721.81 0.0089 0.0032
 Neptune -105672-09-04 05:45 J -36875028.41 -36875028.26 -36875028.05 0.0089 0.0070
 Jupiter -105668-07-31 16:47 J -36873601.99 -36873601.80 -36873601.60 0.0521 0.0341
 Saturn -105661-12-17 08:52 J -36870906.37 -36870906.13 -36870905.87 0.0265 0.0108
 Uranus -105660-03-14 21:21 J -36870818.89 -36870818.61 -36870818.32 0.0134 0.0023
 Saturn -105647-12-25 07:11 J -36865785.49 -36865785.20 -36865784.91 0.0295 0.0110
 Saturn -105632-02-09 00:43 J -36860625.69 -36860625.47 -36860625.23 0.0266 0.0147
 Jupiter -105632-05-05 20:09 J -36860539.86 -36860539.66 -36860539.45 0.0523 0.0316
 Saturn -105630-02-02 04:04 J -36859902.44 -36859902.33 -36859902.19 0.0265 0.0235
 Saturn -105616-02-17 23:16 J -36854772.81 -36854772.53 -36854772.23 0.0295 0.0114
 Uranus -105616-06-15 19:55 J -36854654.98 -36854654.67 -36854654.35 0.0145 0.0033
 Jupiter -105603-07-03 12:43 J -36849889.23 -36849888.97 -36849888.70 0.0506 0.0225
 Saturn -105602-03-28 07:55 J -36849621.44 -36849621.17 -36849620.89 0.0265 0.0010
 Neptune -105596-09-28 10:04 J -36847245.26 -36847245.08 -36847244.85 0.0088 0.0070
 Neptune -105594-08-25 08:52 J -36846549.44 -36846549.13 -36846548.79 0.0088 0.0027
 Neptune -105592-07-21 08:52 J -36845853.45 -36845853.13 -36845852.79 0.0088 0.0018
 Neptune -105590-06-17 08:52 J -36845157.33 -36845157.13 -36845156.85 0.0088 0.0062
 Uranus -105578-12-08 12:14 J -36840600.14 -36840599.99 -36840599.79 0.0134 0.0108
 Uranus -105576-11-07 07:40 J -36839900.36 -36839900.18 -36839899.98 0.0133 0.0101
 Saturn -105572-05-13 00:14 J -36838617.73 -36838617.49 -36838617.24 0.0265 0.0117
 Jupiter -105567-04-09 12:57 J -36836825.05 -36836824.96 -36836824.87 0.0504 0.0478
 Saturn -105558-05-21 03:07 J -36833496.66 -36833496.37 -36833496.07 0.0295 0.0097
 Pluto -105557-04-18 03:21 J -36833163.63 -36833163.36 -36833163.06 0.0064 0.0020
 Saturn -105544-07-06 00:28 J -36828336.71 -36828336.48 -36828336.23 0.0266 0.0130
 Saturn -105542-06-29 01:11 J -36827613.53 -36827613.45 -36827613.34 0.0265 0.0248
 Uranus -105531-02-10 00:14 J -36823734.53 -36823734.49 -36823734.40 0.0146 0.0143

Saturn -105528-07-13 08:38 J -36822485.42 -36822485.14 -36822484.85 0.0295 0.0120
 Neptune -105514-08-07 20:09 J -36817346.85 -36817346.66 -36817346.42 0.0089 0.0061
 Saturn -105514-08-21 16:33 J -36817333.09 -36817332.81 -36817332.53 0.0265 0.0004
 Jupiter -105514-10-26 03:50 J -36817267.59 -36817267.34 -36817267.08 0.0521 0.0116
 Neptune -105512-07-01 19:11 J -36816652.98 -36816652.70 -36816652.41 0.0089 0.0022
 Neptune -105510-05-26 16:47 J -36815959.08 -36815958.80 -36815958.50 0.0089 0.0017
 Neptune -105508-04-19 14:38 J -36815265.10 -36815264.89 -36815264.64 0.0089 0.0055
 Uranus -105493-08-01 23:02 J -36809681.82 -36809681.54 -36809681.25 0.0134 0.0029
 Saturn -105486-10-14 09:21 J -36807052.18 -36807052.11 -36807052.00 0.0267 0.0252
 Saturn -105484-10-06 19:55 J -36806328.90 -36806328.67 -36806328.42 0.0265 0.0131
 Jupiter -105478-07-30 18:43 J -36804205.77 -36804205.72 -36804205.66 0.0524 0.0509
 Saturn -105470-10-13 05:59 J -36801209.54 -36801209.25 -36801208.95 0.0294 0.0095
 Saturn -105456-11-29 02:52 J -36796048.62 -36796048.38 -36796048.13 0.0266 0.0127
 Saturn -105454-11-22 05:45 J -36795325.33 -36795325.26 -36795325.16 0.0265 0.0252
 Jupiter -105449-09-26 20:38 J -36793554.94 -36793554.64 -36793554.35 0.0506 0.0019
 Uranus -105449-10-30 20:38 J -36793520.93 -36793520.64 -36793520.33 0.0145 0.0057
 Saturn -105440-12-06 07:55 J -36790197.45 -36790197.17 -36790196.88 0.0295 0.0124
 Neptune -105430-04-08 00:14 J -36786787.76 -36786787.49 -36786787.18 0.0088 0.0046
 Neptune -105428-03-03 23:45 J -36786091.85 -36786091.51 -36786091.17 0.0088 0.0001
 Neptune -105426-01-28 23:16 J -36785395.80 -36785395.53 -36785395.21 0.0088 0.0044
 Saturn -105425-01-15 10:04 J -36785044.35 -36785044.08 -36785043.80 0.0266 0.0011
 Neptune -105425-12-25 00:14 J -36784699.51 -36784699.49 -36784699.41 0.0089 0.0088
 Uranus -105408-03-27 09:50 J -36778763.36 -36778763.09 -36778762.82 0.0133 0.0050
 Saturn -105397-03-08 05:59 J -36774764.32 -36774764.25 -36774764.15 0.0267 0.0253
 Saturn -105395-03-01 19:40 J -36774040.90 -36774040.68 -36774040.43 0.0265 0.0134
 Saturn -105381-03-06 22:04 J -36768921.86 -36768921.58 -36768921.27 0.0294 0.0093
 Saturn -105367-04-24 16:47 J -36763760.04 -36763759.80 -36763759.54 0.0266 0.0115
 Saturn -105365-04-16 21:21 J -36763036.63 -36763036.61 -36763036.58 0.0265 0.0264
 Uranus -105364-06-27 04:04 J -36762600.62 -36762600.33 -36762600.01 0.0145 0.0055
 Jupiter -105359-01-19 07:26 J -36760933.45 -36760933.19 -36760932.94 0.0522 0.0083

Saturn -105351-04-30 07:11 J -36757910.48 -36757910.20 -36757909.91 0.0295 0.0123
 Neptune -105350-03-22 23:45 J -36757583.62 -36757583.51 -36757583.35 0.0089 0.0079
 Neptune -105348-02-14 00:14 J -36756889.73 -36756889.49 -36756889.20 0.0089 0.0040
 Neptune -105346-01-08 23:45 J -36756195.81 -36756195.51 -36756195.22 0.0089 0.0001
 Neptune -105345-12-02 20:09 J -36755501.90 -36755501.66 -36755501.37 0.0089 0.0039
 Neptune -105343-10-27 18:14 J -36754807.88 -36754807.74 -36754807.59 0.0089 0.0077
 Saturn -105337-06-09 05:59 J -36752756.52 -36752756.25 -36752755.97 0.0266 0.0010
 Jupiter -105330-03-17 05:59 J -36750284.38 -36750284.25 -36750284.11 0.0507 0.0448
 Uranus -105326-12-20 23:02 J -36748544.76 -36748544.54 -36748544.29 0.0134 0.0081
 Uranus -105324-11-19 18:28 J -36747844.80 -36747844.73 -36747844.63 0.0133 0.0127
 Pluto -105311-09-09 19:55 J -36743167.91 -36743167.67 -36743167.39 0.0065 0.0032
 Saturn -105309-08-01 18:57 J -36742475.82 -36742475.71 -36742475.58 0.0268 0.0242
 Saturn -105307-07-26 11:02 J -36741752.27 -36741752.04 -36741751.81 0.0266 0.0145
 Jupiter -105295-12-23 01:11 J -36737219.68 -36737219.45 -36737219.21 0.0505 0.0309
 Saturn -105293-07-30 07:40 J -36736634.47 -36736634.18 -36736633.88 0.0294 0.0091
 Uranus -105281-03-17 04:47 J -36732386.36 -36732386.30 -36732386.20 0.0145 0.0140
 Saturn -105279-09-17 13:11 J -36731472.19 -36731471.95 -36731471.69 0.0266 0.0117
 Saturn -105277-09-09 19:55 J -36730748.68 -36730748.67 -36730748.65 0.0265 0.0265
 Neptune -105267-11-19 14:23 J -36727026.11 -36727025.90 -36727025.66 0.0088 0.0065
 Neptune -105265-10-15 11:59 J -36726330.31 -36726330.00 -36726329.66 0.0088 0.0021
 Neptune -105263-09-11 11:02 J -36725634.35 -36725634.04 -36725633.70 0.0088 0.0025
 Saturn -105263-09-23 02:09 J -36725622.68 -36725622.41 -36725622.11 0.0295 0.0128
 Neptune -105261-08-07 11:02 J -36724938.21 -36724938.04 -36724937.80 0.0088 0.0070
 Saturn -105249-11-02 22:04 J -36720467.86 -36720467.58 -36720467.31 0.0266 0.0021
 Jupiter -105241-07-10 20:09 J -36717660.85 -36717660.66 -36717660.46 0.0519 0.0336
 Uranus -105241-08-14 10:47 J -36717626.34 -36717626.05 -36717625.76 0.0134 0.0002
 Pluto -105223-02-02 07:11 J -36711245.33 -36711245.20 -36711244.99 0.0081 0.0070
 Saturn -105221-12-25 17:02 J -36710187.89 -36710187.79 -36710187.67 0.0268 0.0245
 Saturn -105219-12-19 11:16 J -36709464.26 -36709464.03 -36709463.80 0.0266 0.0145
 Jupiter -105205-04-14 22:47 J -36704598.75 -36704598.55 -36704598.35 0.0522 0.0322

Saturn -105205-12-23 10:33 J -36704346.35 -36704346.06 -36704345.75 0.0294 0.0083
 Uranus -105197-11-11 18:14 J -36701466.06 -36701465.74 -36701465.42 0.0145 0.0025
 Saturn -105190-02-11 06:28 J -36699183.48 -36699183.23 -36699182.97 0.0267 0.0106
 Neptune -105185-09-29 02:52 J -36697126.59 -36697126.38 -36697126.14 0.0089 0.0058
 Neptune -105183-08-24 02:38 J -36696432.68 -36696432.39 -36696432.11 0.0089 0.0018
 Neptune -105181-07-18 00:43 J -36695738.74 -36695738.47 -36695738.16 0.0089 0.0022
 Neptune -105179-06-11 21:21 J -36695044.80 -36695044.61 -36695044.37 0.0089 0.0061
 Jupiter -105176-06-11 00:28 J -36693949.75 -36693949.48 -36693949.20 0.0507 0.0177
 Saturn -105174-02-16 12:28 J -36693334.26 -36693333.98 -36693333.70 0.0294 0.0134
 Saturn -105160-03-29 01:26 J -36688179.71 -36688179.44 -36688179.16 0.0266 0.0022
 Uranus -105158-05-10 03:50 J -36687407.37 -36687407.34 -36687407.26 0.0134 0.0132
 Uranus -105156-04-08 23:45 J -36686707.73 -36686707.51 -36686707.25 0.0133 0.0078
 Saturn -105146-03-26 14:09 J -36683068.98 -36683068.91 -36683068.81 0.0293 0.0280
 Saturn -105132-05-21 12:57 J -36677899.09 -36677898.96 -36677898.83 0.0268 0.0235
 Saturn -105130-05-15 09:35 J -36677175.31 -36677175.10 -36677174.87 0.0266 0.0158
 Saturn -105116-05-19 14:09 J -36672057.20 -36672056.91 -36672056.60 0.0293 0.0071
 Uranus -105112-07-09 05:31 J -36670545.51 -36670545.27 -36670544.99 0.0145 0.0089
 Neptune -105103-07-03 01:40 J -36667264.48 -36667264.43 -36667264.31 0.0088 0.0086
 Saturn -105102-07-07 16:19 J -36666895.08 -36666894.82 -36666894.57 0.0267 0.0103
 Neptune -105101-05-28 23:02 J -36666568.82 -36666568.54 -36666568.23 0.0088 0.0041
 Neptune -105099-04-24 21:21 J -36665872.94 -36665872.61 -36665872.27 0.0088 0.0005
 Neptune -105097-03-20 20:23 J -36665176.91 -36665176.65 -36665176.35 0.0088 0.0050
 Jupiter -105087-10-05 01:40 J -36661326.67 -36661326.43 -36661326.18 0.0520 0.0125
 Saturn -105086-07-13 09:21 J -36661045.36 -36661045.11 -36661044.82 0.0294 0.0152
 Uranus -105073-01-02 19:55 J -36656488.93 -36656488.67 -36656488.39 0.0134 0.0050
 Saturn -105072-08-23 04:19 J -36655890.59 -36655890.32 -36655890.04 0.0267 0.0035
 Saturn -105058-08-21 10:04 J -36650779.19 -36650779.08 -36650778.93 0.0292 0.0264
 Jupiter -105051-07-09 11:16 J -36648265.10 -36648265.03 -36648264.94 0.0522 0.0494
 Saturn -105044-10-15 06:28 J -36645610.35 -36645610.23 -36645610.07 0.0268 0.0229
 Saturn -105042-10-09 03:07 J -36644886.59 -36644886.37 -36644886.15 0.0266 0.0163

Uranus -105029-03-29 10:47 J -36640331.26 -36640331.05 -36640330.81 0.0145 0.0104
 Saturn -105028-10-13 20:52 J -36639767.94 -36639767.63 -36639767.32 0.0293 0.0049
 Jupiter -105022-09-04 12:57 J -36637616.26 -36637615.96 -36637615.67 0.0507 0.0021
 Neptune -105021-05-14 02:38 J -36637363.49 -36637363.39 -36637363.21 0.0089 0.0078
 Neptune -105019-04-08 02:38 J -36636669.65 -36636669.39 -36636669.11 0.0089 0.0037
 Neptune -105017-03-02 02:09 J -36635975.70 -36635975.41 -36635975.11 0.0089 0.0003
 Neptune -105015-01-25 01:11 J -36635281.70 -36635281.45 -36635281.19 0.0089 0.0043
 Saturn -105014-12-01 23:31 J -36634605.77 -36634605.52 -36634605.25 0.0268 0.0091
 Neptune -105014-12-19 21:50 J -36634587.68 -36634587.59 -36634587.47 0.0089 0.0083

105TH MILLENNIUM BCE

This is a list of transits of Mars in the 105th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-104998-12-08 16:33 J	-36628755.06	-36628754.81	-36628754.55	0.0293	0.0172		
Uranus	-104989-08-27 10:33 J	-36625570.35	-36625570.06	-36625569.78	0.0134	0.0031		
Saturn	-104983-01-17 05:02 J	-36623601.56	-36623601.29	-36623601.01	0.0267	0.0043		
Saturn	-104969-01-15 21:07 J	-36618489.79	-36618489.62	-36618489.44	0.0293	0.0240		
Saturn	-104955-03-11 16:47 J	-36613320.96	-36613320.80	-36613320.63	0.0268	0.0214		
Saturn	-104953-03-04 14:09 J	-36612597.11	-36612596.91	-36612596.71	0.0267	0.0178		
Uranus	-104945-11-23 17:16 J	-36609411.10	-36609410.78	-36609410.45	0.0145	0.0006		
Saturn	-104939-03-11 11:59 J	-36607477.31	-36607477.00	-36607476.69	0.0293	0.0024		

Neptune -104937-01-10 08:52 J -36606807.36 -36606807.13 -36606806.89 0.0088 0.0062
 Neptune -104936-12-06 06:28 J -36606111.55 -36606111.23 -36606110.89 0.0088 0.0016
 Neptune -104934-11-02 05:02 J -36605415.60 -36605415.29 -36605414.96 0.0088 0.0030
 Jupiter -104933-12-28 06:28 J -36604993.49 -36604993.23 -36604992.97 0.0520 0.0023
 Neptune -104932-09-28 04:04 J -36604719.48 -36604719.33 -36604719.13 0.0088 0.0076
 Saturn -104925-04-27 05:16 J -36602316.54 -36602316.28 -36602316.01 0.0267 0.0077
 Saturn -104909-05-04 05:45 J -36596465.48 -36596465.26 -36596465.02 0.0294 0.0197
 Uranus -104906-05-23 07:40 J -36595351.37 -36595351.18 -36595350.96 0.0134 0.0096
 Uranus -104904-04-22 01:11 J -36594651.58 -36594651.45 -36594651.27 0.0134 0.0113
 Saturn -104895-06-13 16:19 J -36591312.09 -36591311.82 -36591311.55 0.0267 0.0059
 Saturn -104881-06-12 12:28 J -36586199.18 -36586198.98 -36586198.76 0.0292 0.0214
 Jupiter -104868-11-27 19:40 J -36581282.95 -36581282.68 -36581282.41 0.0507 0.0215
 Saturn -104867-08-06 04:47 J -36581031.49 -36581031.30 -36581031.11 0.0268 0.0196
 Saturn -104865-07-29 21:50 J -36580307.78 -36580307.59 -36580307.40 0.0266 0.0190
 Uranus -104860-07-21 04:18 J -36578490.50 -36578490.32 -36578490.13 0.0145 0.0120
 Neptune -104856-11-21 03:21 J -36576906.57 -36576906.36 -36576906.11 0.0089 0.0057
 Neptune -104854-10-16 02:23 J -36576212.68 -36576212.40 -36576212.10 0.0089 0.0016
 Neptune -104852-09-09 00:28 J -36575518.75 -36575518.48 -36575518.18 0.0089 0.0025
 Saturn -104851-08-05 20:38 J -36575187.95 -36575187.64 -36575187.33 0.0294 0.0001
 Neptune -104850-08-03 22:04 J -36574824.74 -36574824.58 -36574824.35 0.0089 0.0066
 Saturn -104837-09-21 16:47 J -36570027.07 -36570026.80 -36570026.53 0.0267 0.0061
 Uranus -104821-01-15 20:23 J -36564432.93 -36564432.65 -36564432.35 0.0134 0.0015
 Saturn -104821-09-29 18:14 J -36564174.92 -36564174.74 -36564174.51 0.0294 0.0223
 Pluto -104820-08-03 14:38 J -36563866.96 -36563866.89 -36563866.76 0.0064 0.0061
 Jupiter -104814-06-19 03:21 J -36561721.49 -36561721.36 -36561721.22 0.0518 0.0438
 Saturn -104807-11-08 03:35 J -36559022.62 -36559022.35 -36559022.09 0.0266 0.0076
 Saturn -104793-11-06 11:59 J -36553910.23 -36553910.00 -36553909.76 0.0293 0.0193
 Saturn -104779-12-31 11:59 J -36548742.19 -36548742.00 -36548741.79 0.0268 0.0182
 Jupiter -104778-03-23 23:16 J -36548659.76 -36548659.53 -36548659.29 0.0520 0.0204
 Uranus -104777-04-10 05:02 J -36548276.55 -36548276.29 -36548275.99 0.0145 0.0074

Saturn -104777-12-24 05:16 J -36548018.44 -36548018.28 -36548018.09 0.0266 0.0206
 Neptune -104774-08-23 15:50 J -36547045.90 -36547045.84 -36547045.69 0.0088 0.0085
 Neptune -104772-07-19 12:28 J -36546350.26 -36546349.98 -36546349.66 0.0088 0.0039
 Neptune -104770-06-15 10:33 J -36545654.39 -36545654.06 -36545653.72 0.0088 0.0009
 Neptune -104768-05-11 09:50 J -36544958.35 -36544958.09 -36544957.83 0.0089 0.0055
 Saturn -104763-12-31 23:45 J -36542897.82 -36542897.51 -36542897.19 0.0293 0.0024
 Jupiter -104749-05-15 20:52 J -36538013.85 -36538013.63 -36538013.40 0.0509 0.0330
 Saturn -104748-02-16 03:50 J -36537737.61 -36537737.34 -36537737.06 0.0267 0.0042
 Uranus -104737-09-09 09:50 J -36533514.34 -36533514.09 -36533513.83 0.0134 0.0065
 Saturn -104732-02-23 07:54 J -36531886.34 -36531886.17 -36531885.98 0.0294 0.0240
 Saturn -104718-04-04 04:04 J -36526733.59 -36526733.33 -36526733.06 0.0266 0.0088
 Jupiter -104713-02-21 00:42 J -36524949.64 -36524949.47 -36524949.28 0.0507 0.0399
 Saturn -104704-04-03 00:42 J -36521620.70 -36521620.47 -36521620.20 0.0293 0.0174
 Uranus -104693-12-05 22:18 J -36517355.88 -36517355.57 -36517355.26 0.0145 0.0043
 Neptune -104692-07-05 23:45 J -36517143.63 -36517143.51 -36517143.34 0.0089 0.0077
 Saturn -104690-05-27 19:40 J -36516452.90 -36516452.68 -36516452.45 0.0268 0.0161
 Neptune -104690-05-31 00:57 J -36516449.71 -36516449.46 -36516449.17 0.0089 0.0036
 Neptune -104688-04-24 00:14 J -36515755.78 -36515755.49 -36515755.19 0.0089 0.0006
 Saturn -104688-05-20 09:50 J -36515729.23 -36515729.09 -36515728.93 0.0266 0.0221
 Neptune -104686-03-18 22:04 J -36515061.81 -36515061.58 -36515061.31 0.0089 0.0047
 Neptune -104684-02-09 19:54 J -36514367.68 -36514367.67 -36514367.58 0.0089 0.0088
 Saturn -104674-05-27 00:14 J -36510609.80 -36510609.49 -36510609.18 0.0294 0.0037
 Saturn -104660-07-12 20:09 J -36505448.93 -36505448.66 -36505448.38 0.0267 0.0032
 Jupiter -104660-09-12 05:59 J -36505387.48 -36505387.25 -36505387.02 0.0518 0.0235
 Uranus -104654-06-05 05:59 J -36503295.49 -36503295.25 -36503294.98 0.0134 0.0062
 Saturn -104644-07-20 09:35 J -36499597.24 -36499597.10 -36499596.93 0.0294 0.0255
 Saturn -104630-08-29 05:45 J -36494444.50 -36494444.26 -36494443.99 0.0266 0.0106
 Jupiter -104624-06-16 14:23 J -36492326.07 -36492325.90 -36492325.72 0.0520 0.0375
 Saturn -104616-08-26 16:04 J -36489333.08 -36489332.83 -36489332.57 0.0293 0.0166
 Neptune -104608-03-01 19:40 J -36486588.92 -36486588.68 -36486588.43 0.0088 0.0061

Neptune -104606-01-26 16:04 J -36485893.14 -36485892.83 -36485892.48 0.0088 0.0015
 Neptune -104605-12-22 14:09 J -36485197.19 -36485196.91 -36485196.57 0.0089 0.0034
 Neptune -104603-11-18 13:40 J -36484501.04 -36484500.93 -36484500.76 0.0089 0.0081
 Saturn -104602-10-21 04:33 J -36484164.54 -36484164.31 -36484164.08 0.0267 0.0155
 Saturn -104600-10-13 20:38 J -36483440.77 -36483440.64 -36483440.49 0.0266 0.0228
 Jupiter -104595-08-09 17:59 J -36481680.04 -36481679.75 -36481679.46 0.0509 0.0107
 Saturn -104586-10-20 12:28 J -36478321.29 -36478320.98 -36478320.67 0.0293 0.0047
 Pluto -104574-12-26 15:06 J -36473871.17 -36473870.87 -36473870.57 0.0065 0.0010
 Saturn -104572-12-06 18:28 J -36473160.00 -36473159.73 -36473159.45 0.0267 0.0016
 Uranus -104569-01-28 22:04 J -36472376.86 -36472376.58 -36472376.29 0.0134 0.0019
 Saturn -104556-12-12 14:38 J -36467310.02 -36467309.89 -36467309.73 0.0294 0.0258
 Saturn -104541-01-22 09:35 J -36462156.34 -36462156.10 -36462155.84 0.0266 0.0109
 Saturn -104527-01-19 16:47 J -36457045.05 -36457044.80 -36457044.53 0.0293 0.0159
 Neptune -104526-01-12 23:02 J -36456686.75 -36456686.54 -36456686.29 0.0089 0.0056
 Uranus -104525-04-23 00:14 J -36456220.80 -36456220.49 -36456220.16 0.0145 0.0028
 Neptune -104525-12-06 23:45 J -36455992.80 -36455992.51 -36455992.21 0.0089 0.0014
 Neptune -104523-10-31 22:18 J -36455298.83 -36455298.57 -36455298.27 0.0089 0.0028
 Neptune -104521-09-24 19:26 J -36454604.85 -36454604.69 -36454604.48 0.0089 0.0069
 Saturn -104513-03-15 21:35 J -36451875.83 -36451875.60 -36451875.36 0.0268 0.0141
 Saturn -104511-03-09 14:52 J -36451151.99 -36451151.88 -36451151.76 0.0266 0.0240
 Jupiter -104506-12-07 05:02 J -36449053.54 -36449053.29 -36449053.03 0.0518 0.0050
 Saturn -104497-03-13 13:54 J -36446034.23 -36446033.92 -36446033.61 0.0293 0.0047
 Uranus -104487-10-23 21:06 J -36442157.79 -36442157.62 -36442157.44 0.0135 0.0107
 Uranus -104485-09-22 14:09 J -36441458.08 -36441457.91 -36441457.70 0.0134 0.0101
 Saturn -104483-05-01 15:35 J -36440872.13 -36440871.85 -36440871.57 0.0267 0.0015
 Saturn -104467-05-07 09:21 J -36435022.25 -36435022.11 -36435021.96 0.0294 0.0261
 Saturn -104453-06-17 00:14 J -36429867.73 -36429867.49 -36429867.23 0.0267 0.0121
 Neptune -104445-10-13 00:28 J -36426827.54 -36426827.48 -36426827.35 0.0088 0.0085
 Neptune -104443-09-08 20:38 J -36426131.92 -36426131.64 -36426131.31 0.0088 0.0038
 Neptune -104441-08-04 18:14 J -36425436.06 -36425435.74 -36425435.40 0.0088 0.0010

Jupiter -104441-11-03 22:47 J -36425344.82 -36425344.55 -36425344.28 0.0508 0.0193
 Uranus -104441-12-18 13:26 J -36425300.19 -36425299.94 -36425299.67 0.0145 0.0086
 Saturn -104439-06-13 22:47 J -36424757.80 -36424757.55 -36424757.28 0.0292 0.0160
 Neptune -104439-07-01 16:04 J -36424740.04 -36424739.83 -36424739.54 0.0089 0.0059
 Saturn -104425-08-08 15:50 J -36419588.07 -36419587.84 -36419587.60 0.0268 0.0144
 Saturn -104423-08-02 11:02 J -36418864.15 -36418864.04 -36418863.92 0.0266 0.0240
 Saturn -104409-08-06 05:30 J -36413746.57 -36413746.27 -36413745.96 0.0293 0.0050
 Uranus -104402-06-18 13:40 J -36411239.21 -36411238.93 -36411238.64 0.0135 0.0024
 Saturn -104395-09-25 05:45 J -36408583.54 -36408583.26 -36408582.99 0.0268 0.0006
 Jupiter -104387-05-29 00:28 J -36405780.59 -36405780.48 -36405780.36 0.0516 0.0454
 Saturn -104379-09-29 15:50 J -36402734.96 -36402734.84 -36402734.67 0.0293 0.0260
 Saturn -104365-11-09 20:23 J -36397579.89 -36397579.65 -36397579.39 0.0267 0.0119
 Neptune -104363-08-27 21:06 J -36396923.73 -36396923.62 -36396923.44 0.0089 0.0078
 Neptune -104361-07-21 21:35 J -36396229.85 -36396229.60 -36396229.31 0.0089 0.0035
 Neptune -104359-06-15 21:35 J -36395535.89 -36395535.60 -36395535.30 0.0089 0.0008
 Uranus -104358-09-08 19:11 J -36395085.93 -36395085.70 -36395085.47 0.0144 0.0103
 Neptune -104357-05-09 20:09 J -36394841.88 -36394841.66 -36394841.39 0.0089 0.0050
 Jupiter -104351-03-02 23:02 J -36392718.77 -36392718.54 -36392718.30 0.0519 0.0196
 Saturn -104351-11-06 18:14 J -36392469.99 -36392469.74 -36392469.47 0.0292 0.0155
 Saturn -104336-01-02 05:45 J -36387299.49 -36387299.26 -36387299.01 0.0269 0.0136
 Saturn -104335-12-27 03:50 J -36386575.42 -36386575.34 -36386575.23 0.0267 0.0251
 Jupiter -104322-04-23 21:21 J -36382074.84 -36382074.61 -36382074.37 0.0511 0.0304
 Saturn -104321-12-30 01:40 J -36381458.74 -36381458.43 -36381458.13 0.0292 0.0050
 Uranus -104317-02-11 05:16 J -36380320.53 -36380320.28 -36380320.00 0.0134 0.0058
 Saturn -104306-02-18 03:50 J -36376295.62 -36376295.34 -36376295.07 0.0268 0.0008
 Saturn -104290-02-22 15:21 J -36370446.97 -36370446.86 -36370446.70 0.0293 0.0265
 Jupiter -104286-01-29 12:14 J -36369010.12 -36369009.99 -36369009.85 0.0508 0.0454
 Neptune -104279-04-22 01:54 J -36366370.62 -36366370.42 -36366370.15 0.0088 0.0062
 Saturn -104278-04-12 00:14 J -36366015.50 -36366015.49 -36366015.45 0.0270 0.0269
 Neptune -104277-03-17 22:47 J -36365674.87 -36365674.55 -36365674.21 0.0088 0.0013

Saturn -104276-04-05 14:23 J -36365291.14 -36365290.90 -36365290.66 0.0267 0.0129
 Neptune -104275-02-11 20:09 J -36364978.94 -36364978.66 -36364978.33 0.0089 0.0036
 Neptune -104273-01-08 18:57 J -36364282.78 -36364282.71 -36364282.57 0.0089 0.0084
 Uranus -104273-05-05 06:57 J -36364165.54 -36364165.21 -36364164.88 0.0144 0.0011
 Saturn -104262-04-02 05:30 J -36360181.52 -36360181.27 -36360180.99 0.0291 0.0151
 Saturn -104248-05-28 07:11 J -36355011.44 -36355011.20 -36355010.96 0.0269 0.0137
 Saturn -104246-05-22 06:42 J -36354287.30 -36354287.22 -36354287.12 0.0267 0.0251
 Pluto -104240-10-10 14:09 J -36351954.16 -36351953.91 -36351953.61 0.0080 0.0046
 Uranus -104235-11-05 23:45 J -36350101.74 -36350101.51 -36350101.25 0.0135 0.0070
 Jupiter -104233-08-22 12:28 J -36349446.20 -36349445.98 -36349445.74 0.0517 0.0227
 Saturn -104232-05-25 08:52 J -36349170.44 -36349170.13 -36349169.82 0.0293 0.0060
 Saturn -104218-07-15 00:14 J -36344006.77 -36344006.49 -36344006.21 0.0268 0.0002
 Saturn -104202-07-19 13:26 J -36338158.04 -36338157.94 -36338157.82 0.0293 0.0272
 Neptune -104197-03-05 20:52 J -36336466.84 -36336466.63 -36336466.38 0.0089 0.0056
 Jupiter -104197-05-26 19:40 J -36336384.84 -36336384.68 -36336384.50 0.0519 0.0387
 Neptune -104195-01-28 21:50 J -36335772.88 -36335772.59 -36335772.29 0.0089 0.0013
 Neptune -104194-12-23 20:23 J -36335078.91 -36335078.65 -36335078.35 0.0089 0.0031
 Neptune -104192-11-16 18:57 J -36334384.85 -36334384.71 -36334384.51 0.0089 0.0073
 Saturn -104190-09-05 08:52 J -36333727.16 -36333727.13 -36333727.08 0.0270 0.0267
 Uranus -104189-12-30 23:02 J -36333244.67 -36333244.54 -36333244.35 0.0145 0.0127
 Saturn -104188-08-29 23:16 J -36333002.76 -36333002.53 -36333002.28 0.0267 0.0131
 Saturn -104174-08-26 22:33 J -36327892.83 -36327892.56 -36327892.28 0.0291 0.0136
 Jupiter -104168-07-17 21:06 J -36325740.91 -36325740.62 -36325740.32 0.0510 0.0074
 Saturn -104160-10-22 08:09 J -36322722.39 -36322722.16 -36322721.90 0.0269 0.0127
 Saturn -104158-10-16 10:04 J -36321998.12 -36321998.08 -36321998.03 0.0267 0.0263
 Uranus -104150-07-01 13:54 J -36319183.21 -36319182.92 -36319182.63 0.0135 0.0011
 Saturn -104144-10-20 00:14 J -36316880.79 -36316880.49 -36316880.18 0.0292 0.0074
 Saturn -104130-12-08 16:18 J -36311718.10 -36311717.82 -36311717.54 0.0268 0.0007
 Neptune -104116-12-03 10:33 J -36306609.14 -36306609.06 -36306608.96 0.0088 0.0085
 Neptune -104114-10-30 04:47 J -36305913.58 -36305913.30 -36305912.97 0.0088 0.0038

Saturn -104114-12-13 15:21 J -36305868.89 -36305868.86 -36305868.80 0.0293 0.0290
 Neptune -104112-09-25 01:40 J -36305217.76 -36305217.43 -36305217.09 0.0089 0.0012
 Neptune -104110-08-21 23:30 J -36304521.74 -36304521.52 -36304521.25 0.0089 0.0061
 Uranus -104106-09-21 05:30 J -36303030.56 -36303030.27 -36303029.96 0.0144 0.0060
 Saturn -104101-01-30 13:26 J -36301438.01 -36301437.94 -36301437.84 0.0270 0.0256
 Saturn -104099-01-24 05:45 J -36300713.48 -36300713.26 -36300713.02 0.0268 0.0143
 Saturn -104085-01-22 02:52 J -36295602.66 -36295602.38 -36295602.09 0.0291 0.0116
 Jupiter -104079-11-15 23:59 J -36293112.75 -36293112.50 -36293112.24 0.0517 0.0063
 Saturn -104071-03-18 06:28 J -36290433.47 -36290433.23 -36290432.97 0.0269 0.0117
 Uranus -104067-03-26 07:54 J -36288964.29 -36288964.17 -36288964.02 0.0135 0.0119
 Uranus -104065-02-24 03:35 J -36288264.55 -36288264.35 -36288264.13 0.0134 0.0091
 Saturn -104055-03-16 08:38 J -36284591.43 -36284591.14 -36284590.84 0.0292 0.0097
 Saturn -104041-05-03 23:59 J -36279428.77 -36279428.50 -36279428.22 0.0268 0.0022
 Neptune -104034-10-19 20:38 J -36276703.78 -36276703.64 -36276703.49 0.0089 0.0077
 Neptune -104032-09-12 21:50 J -36276009.84 -36276009.59 -36276009.29 0.0089 0.0034
 Neptune -104030-08-07 22:33 J -36275315.86 -36275315.56 -36275315.27 0.0089 0.0010
 Neptune -104028-07-01 19:54 J -36274621.88 -36274621.67 -36274621.41 0.0089 0.0054
 Uranus -104021-05-18 00:28 J -36272109.77 -36272109.48 -36272109.17 0.0144 0.0056
 Jupiter -104014-10-11 09:06 J -36269407.40 -36269407.12 -36269406.83 0.0510 0.0139
 Saturn -104013-06-25 19:11 J -36269148.81 -36269148.70 -36269148.56 0.0270 0.0241
 Saturn -104011-06-20 08:38 J -36268424.36 -36268424.14 -36268423.91 0.0267 0.0154

104TH MILLENNIUM BCE

This is a list of transits of Mars in the 104th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-103997-06-17	11:59 J	-36263313.29	-36263313.00	-36263312.70	0.0291	0.0092	
Saturn	-103983-08-12	17:02 J	-36258144.05	-36258143.79	-36258143.53	0.0269	0.0102	
Uranus	-103983-11-18	23:45 J	-36258045.78	-36258045.51	-36258045.22	0.0135	0.0037	
Saturn	-103967-08-12	00:28 J	-36252300.76	-36252300.48	-36252300.19	0.0292	0.0123	
Jupiter	-103960-05-07	02:23 J	-36249840.40	-36249840.40	-36249840.38	0.0514	0.0513	
Saturn	-103953-09-28	09:21 J	-36247139.38	-36247139.11	-36247138.83	0.0268	0.0037	
Neptune	-103950-06-12	13:11 J	-36246152.17	-36246151.95	-36246151.69	0.0089	0.0061	
Neptune	-103948-05-08	08:23 J	-36245456.48	-36245456.15	-36245455.82	0.0089	0.0012	
Neptune	-103946-04-04	04:33 J	-36244760.59	-36244760.31	-36244759.98	0.0089	0.0038	
Neptune	-103944-02-28	03:35 J	-36244064.40	-36244064.35	-36244064.28	0.0089	0.0087	
Saturn	-103939-09-19	23:30 J	-36242034.60	-36242034.52	-36242034.39	0.0290	0.0273	
Uranus	-103938-02-06	07:54 J	-36241895.31	-36241895.17	-36241895.02	0.0143	0.0129	
Saturn	-103925-11-20	05:30 J	-36236859.41	-36236859.27	-36236859.11	0.0270	0.0226	
Jupiter	-103924-02-08	16:04 J	-36236779.08	-36236778.83	-36236778.58	0.0516	0.0113	
Saturn	-103923-11-14	19:11 J	-36236134.91	-36236134.70	-36236134.48	0.0268	0.0169	
Saturn	-103909-11-13	00:57 J	-36231022.76	-36231022.46	-36231022.16	0.0291	0.0066	
Uranus	-103898-07-14	13:26 J	-36227127.20	-36227126.94	-36227126.65	0.0135	0.0044	
Jupiter	-103895-03-28	23:45 J	-36226138.65	-36226138.51	-36226138.36	0.0513	0.0446	
Saturn	-103894-01-07	06:28 J	-36225854.49	-36225854.23	-36225853.96	0.0269	0.0083	
Saturn	-103878-01-06	02:52 J	-36220011.65	-36220011.38	-36220011.10	0.0293	0.0145	
Neptune	-103868-04-27	21:35 J	-36216246.80	-36216246.60	-36216246.33	0.0089	0.0055	
Neptune	-103866-03-22	23:30 J	-36215552.81	-36215552.52	-36215552.21	0.0089	0.0011	
Neptune	-103864-02-14	00:14 J	-36214858.75	-36214858.49	-36214858.20	0.0089	0.0034	
Saturn	-103864-02-22	16:47 J	-36214850.07	-36214849.80	-36214849.53	0.0268	0.0051	
Neptune	-103862-01-08	22:47 J	-36214164.69	-36214164.55	-36214164.40	0.0089	0.0077	
Jupiter	-103859-01-03	07:40 J	-36213074.41	-36213074.18	-36213073.94	0.0511	0.0310	

Uranus -103854-10-03 20:23 J -36210974.97 -36210974.65 -36210974.32 0.0144 0.0018
 Saturn -103850-02-15 02:52 J -36209744.52 -36209744.38 -36209744.20 0.0290 0.0249
 Pluto -103836-04-12 16:47 J -36204574.10 -36204573.80 -36204573.49 0.0065 0.0003
 Saturn -103836-04-16 19:26 J -36204569.86 -36204569.69 -36204569.50 0.0270 0.0203
 Saturn -103834-04-11 05:02 J -36203845.47 -36203845.29 -36203845.08 0.0267 0.0186
 Saturn -103820-04-08 16:18 J -36198734.12 -36198733.82 -36198733.51 0.0292 0.0048
 Uranus -103815-04-08 10:18 J -36196908.29 -36196908.07 -36196907.84 0.0135 0.0085
 Uranus -103813-03-08 03:35 J -36196208.45 -36196208.35 -36196208.23 0.0134 0.0124
 Saturn -103806-06-03 07:26 J -36193565.45 -36193565.19 -36193564.92 0.0268 0.0070
 Jupiter -103806-07-31 22:47 J -36193506.74 -36193506.55 -36193506.35 0.0514 0.0330
 Saturn -103790-06-02 22:18 J -36187721.82 -36187721.57 -36187721.30 0.0292 0.0166
 Neptune -103786-01-24 00:42 J -36186390.53 -36186390.47 -36186390.34 0.0088 0.0085
 Neptune -103785-12-19 18:57 J -36185694.99 -36185694.71 -36185694.38 0.0089 0.0036
 Neptune -103783-11-15 14:38 J -36184999.21 -36184998.89 -36184998.55 0.0089 0.0015
 Neptune -103781-10-11 11:02 J -36184303.24 -36184303.04 -36184302.78 0.0089 0.0065
 Saturn -103776-07-20 01:40 J -36182560.69 -36182560.43 -36182560.15 0.0268 0.0071
 Jupiter -103770-05-05 02:23 J -36180445.61 -36180445.40 -36180445.18 0.0517 0.0266
 Uranus -103769-05-30 06:28 J -36180054.46 -36180054.23 -36180053.96 0.0144 0.0094
 Saturn -103762-07-11 10:04 J -36177456.26 -36177456.08 -36177455.90 0.0290 0.0235
 Saturn -103748-09-10 14:38 J -36172281.07 -36172280.89 -36172280.68 0.0269 0.0193
 Saturn -103746-09-05 01:11 J -36171556.62 -36171556.45 -36171556.25 0.0267 0.0197
 Jupiter -103741-06-21 10:04 J -36169805.34 -36169805.08 -36169804.82 0.0513 0.0246
 Saturn -103732-09-02 21:50 J -36166444.90 -36166444.59 -36166444.28 0.0292 0.0031
 Uranus -103731-12-01 19:54 J -36165989.96 -36165989.67 -36165989.38 0.0135 0.0005
 Saturn -103718-10-28 15:21 J -36161276.14 -36161275.86 -36161275.59 0.0269 0.0050
 Neptune -103705-12-11 00:42 J -36156483.60 -36156483.47 -36156483.29 0.0089 0.0076
 Neptune -103703-11-05 02:09 J -36155789.67 -36155789.41 -36155789.11 0.0089 0.0031
 Saturn -103702-10-26 17:30 J -36155434.01 -36155433.77 -36155433.51 0.0292 0.0175
 Neptune -103701-09-29 02:52 J -36155095.67 -36155095.38 -36155095.08 0.0089 0.0014
 Neptune -103699-08-24 02:38 J -36154401.60 -36154401.39 -36154401.15 0.0089 0.0058

Saturn -103688-12-13 15:06 J -36150272.13 -36150271.87 -36150271.60 0.0268 0.0078
 Uranus -103686-02-18 07:40 J -36149840.40 -36149840.18 -36149839.90 0.0143 0.0095
 Saturn -103674-12-05 01:40 J -36145167.61 -36145167.43 -36145167.22 0.0291 0.0223
 Saturn -103659-02-04 17:45 J -36139991.96 -36139991.76 -36139991.54 0.0270 0.0175
 Saturn -103657-01-30 03:35 J -36139267.51 -36139267.35 -36139267.17 0.0267 0.0212
 Jupiter -103652-10-24 16:18 J -36137173.06 -36137172.82 -36137172.58 0.0515 0.0161
 Uranus -103646-07-27 05:30 J -36135071.50 -36135071.27 -36135071.01 0.0135 0.0073
 Saturn -103643-01-26 09:50 J -36134157.39 -36134157.09 -36134156.77 0.0291 0.0028
 Saturn -103629-03-22 20:23 J -36128987.92 -36128987.65 -36128987.37 0.0268 0.0046
 Neptune -103621-08-02 07:26 J -36125933.41 -36125933.19 -36125932.91 0.0088 0.0059
 Neptune -103619-06-29 02:09 J -36125237.73 -36125237.41 -36125237.07 0.0089 0.0009
 Neptune -103617-05-24 21:50 J -36124541.87 -36124541.59 -36124541.28 0.0089 0.0042
 Jupiter -103616-07-29 10:33 J -36124111.14 -36124111.06 -36124110.97 0.0517 0.0486
 Saturn -103613-03-20 23:30 J -36123145.77 -36123145.52 -36123145.28 0.0292 0.0183
 Uranus -103602-10-15 19:11 J -36118920.02 -36118919.70 -36118919.36 0.0144 0.0018
 Saturn -103599-05-09 11:59 J -36117983.25 -36117983.00 -36117982.73 0.0268 0.0093
 Jupiter -103587-09-16 09:35 J -36113470.39 -36113470.10 -36113469.80 0.0512 0.0048
 Saturn -103585-04-28 12:42 J -36112880.16 -36112879.97 -36112879.76 0.0290 0.0221
 Saturn -103571-06-30 15:50 J -36107704.04 -36107703.84 -36107703.62 0.0270 0.0176
 Saturn -103569-06-24 03:50 J -36106979.49 -36106979.34 -36106979.17 0.0267 0.0215
 Uranus -103563-04-20 18:57 J -36104852.96 -36104852.71 -36104852.44 0.0136 0.0060
 Saturn -103555-06-21 08:09 J -36101869.47 -36101869.16 -36101868.85 0.0291 0.0021
 Saturn -103541-08-16 13:26 J -36096699.21 -36096698.94 -36096698.66 0.0269 0.0034
 Neptune -103539-06-20 05:02 J -36096026.50 -36096026.29 -36096026.02 0.0089 0.0052
 Neptune -103537-05-14 06:57 J -36095332.50 -36095332.21 -36095331.91 0.0089 0.0006
 Neptune -103535-04-08 06:57 J -36094638.46 -36094638.21 -36094637.93 0.0089 0.0039
 Neptune -103533-03-02 06:42 J -36093944.29 -36093944.22 -36093944.09 0.0089 0.0084
 Saturn -103525-08-13 04:33 J -36090858.54 -36090858.31 -36090858.05 0.0292 0.0181
 Uranus -103517-06-11 07:11 J -36087999.33 -36087999.20 -36087999.03 0.0144 0.0128
 Saturn -103511-10-02 08:38 J -36085695.39 -36085695.14 -36085694.87 0.0268 0.0092

Pluto -103502-01-25 06:14 J -36082658.47 -36082658.24 -36082657.98 0.0080 0.0053
 Jupiter -103497-01-19 08:23 J -36080838.41 -36080838.15 -36080837.90 0.0515 0.0077
 Saturn -103497-09-21 07:54 J -36080592.37 -36080592.17 -36080591.96 0.0290 0.0216
 Saturn -103483-11-24 05:16 J -36075415.49 -36075415.28 -36075415.05 0.0270 0.0168
 Saturn -103481-11-17 20:09 J -36074690.80 -36074690.66 -36074690.50 0.0268 0.0225
 Uranus -103479-12-14 04:47 J -36073934.58 -36073934.30 -36073934.01 0.0135 0.0018
 Jupiter -103468-03-05 04:04 J -36070200.44 -36070200.33 -36070200.21 0.0514 0.0471
 Saturn -103467-11-13 22:18 J -36069581.88 -36069581.57 -36069581.26 0.0290 0.0023
 Neptune -103457-03-16 00:28 J -36066171.58 -36066171.48 -36066171.32 0.0088 0.0082
 Neptune -103455-02-09 17:16 J -36065476.08 -36065475.78 -36065475.45 0.0088 0.0032
 Neptune -103453-01-06 11:59 J -36064780.31 -36064780.00 -36064779.66 0.0089 0.0020
 Saturn -103452-01-09 07:40 J -36064411.45 -36064411.18 -36064410.90 0.0269 0.0038
 Neptune -103452-12-02 08:09 J -36064084.34 -36064084.16 -36064083.94 0.0089 0.0071
 Saturn -103436-01-05 22:47 J -36058570.78 -36058570.55 -36058570.29 0.0292 0.0184
 Uranus -103434-03-02 12:14 J -36057785.29 -36057784.99 -36057784.68 0.0143 0.0057
 Jupiter -103433-12-11 01:26 J -36057135.67 -36057135.44 -36057135.21 0.0512 0.0321
 Saturn -103422-02-25 23:30 J -36053406.78 -36053406.52 -36053406.26 0.0269 0.0100
 Saturn -103408-02-14 08:09 J -36048304.35 -36048304.16 -36048303.95 0.0289 0.0216
 Uranus -103396-09-07 17:30 J -36043715.90 -36043715.77 -36043715.61 0.0136 0.0116
 Saturn -103394-04-18 23:02 J -36043127.75 -36043127.54 -36043127.32 0.0270 0.0172
 Uranus -103394-08-08 12:14 J -36043016.19 -36043015.99 -36043015.77 0.0135 0.0093
 Saturn -103392-04-12 16:33 J -36042402.95 -36042402.81 -36042402.65 0.0268 0.0223
 Jupiter -103379-07-11 04:47 J -36037565.50 -36037565.30 -36037565.11 0.0513 0.0328
 Saturn -103378-04-08 19:54 J -36037293.97 -36037293.67 -36037293.35 0.0291 0.0018
 Neptune -103375-02-02 07:54 J -36036263.32 -36036263.17 -36036262.97 0.0089 0.0072
 Neptune -103374-12-28 12:14 J -36035569.27 -36035568.99 -36035568.70 0.0089 0.0026
 Neptune -103372-11-21 12:57 J -36034875.23 -36034874.96 -36034874.65 0.0089 0.0020
 Neptune -103370-10-16 12:14 J -36034181.17 -36034180.99 -36034180.77 0.0089 0.0065
 Saturn -103364-06-04 21:35 J -36032122.87 -36032122.60 -36032122.32 0.0270 0.0031
 Uranus -103350-10-27 21:06 J -36026864.91 -36026864.62 -36026864.29 0.0144 0.0053

Saturn -103348-06-01 05:30 J -36026282.51 -36026282.27 -36026282.03 0.0291 0.0185
 Jupiter -103343-04-14 10:18 J -36024504.28 -36024504.07 -36024503.86 0.0515 0.0281
 Saturn -103334-07-21 23:02 J -36021118.80 -36021118.54 -36021118.28 0.0269 0.0098
 Saturn -103320-07-10 12:42 J -36016016.18 -36016015.97 -36016015.75 0.0289 0.0207
 Jupiter -103314-05-30 12:28 J -36013866.25 -36013865.98 -36013865.71 0.0514 0.0213
 Uranus -103311-05-03 05:16 J -36012797.55 -36012797.28 -36012796.99 0.0136 0.0038
 Saturn -103306-09-12 16:47 J -36010839.02 -36010838.80 -36010838.58 0.0271 0.0165
 Saturn -103304-09-06 12:14 J -36010114.11 -36010113.99 -36010113.83 0.0269 0.0232
 Neptune -103292-09-23 11:59 J -36005714.26 -36005714.00 -36005713.73 0.0088 0.0054
 Neptune -103290-08-20 05:02 J -36005018.62 -36005018.29 -36005017.95 0.0088 0.0003
 Saturn -103290-09-02 18:42 J -36005005.03 -36005004.72 -36005004.41 0.0290 0.0010
 Neptune -103288-07-15 23:30 J -36004322.77 -36004322.52 -36004322.22 0.0089 0.0049
 Saturn -103276-10-29 03:21 J -35999834.64 -35999834.36 -35999834.08 0.0270 0.0031
 Uranus -103267-07-17 21:06 J -35996650.71 -35996650.62 -35996650.48 0.0143 0.0134
 Saturn -103260-10-25 18:14 J -35993993.96 -35993993.74 -35993993.50 0.0291 0.0197
 Saturn -103246-12-15 22:18 J -35988829.82 -35988829.57 -35988829.31 0.0269 0.0107
 Saturn -103232-12-05 01:54 J -35983726.64 -35983726.42 -35983726.18 0.0288 0.0195
 Uranus -103227-12-26 11:59 J -35981879.26 -35981879.00 -35981878.71 0.0135 0.0040
 Jupiter -103225-10-03 22:18 J -35981231.81 -35981231.57 -35981231.32 0.0513 0.0145
 Saturn -103217-02-06 05:45 J -35978550.49 -35978550.26 -35978550.04 0.0271 0.0160
 Saturn -103215-01-31 01:26 J -35977825.55 -35977825.44 -35977825.29 0.0268 0.0235
 Neptune -103210-08-12 15:50 J -35975806.08 -35975805.84 -35975805.57 0.0089 0.0046
 Neptune -103208-07-06 18:57 J -35975112.01 -35975111.71 -35975111.41 0.0089 0.0001
 Neptune -103206-05-31 20:09 J -35974417.91 -35974417.66 -35974417.40 0.0089 0.0046
 Saturn -103201-01-27 15:21 J -35972716.17 -35972715.86 -35972715.55 0.0290 0.0006
 Jupiter -103189-07-08 06:42 J -35968170.31 -35968170.22 -35968170.12 0.0515 0.0475
 Saturn -103187-03-25 05:45 J -35967545.54 -35967545.26 -35967544.98 0.0270 0.0021
 Uranus -103182-03-14 01:54 J -35965730.73 -35965730.42 -35965730.08 0.0143 0.0029
 Saturn -103171-03-22 18:28 J -35961703.93 -35961703.73 -35961703.51 0.0291 0.0214
 Jupiter -103160-08-23 08:37 J -35957532.43 -35957532.14 -35957531.84 0.0514 0.0028

Saturn -103157-05-10 17:45 J -35956541.01 -35956540.76 -35956540.51 0.0269 0.0114
 Uranus -103144-09-20 00:28 J -35951660.68 -35951660.48 -35951660.27 0.0136 0.0093
 Saturn -103143-05-01 03:35 J -35951437.58 -35951437.35 -35951437.09 0.0289 0.0176
 Uranus -103142-08-20 18:57 J -35950960.84 -35950960.71 -35950960.55 0.0135 0.0115
 Saturn -103129-07-02 11:30 J -35946261.25 -35946261.02 -35946260.78 0.0271 0.0148
 Neptune -103128-05-07 07:40 J -35945952.31 -35945952.18 -35945951.97 0.0088 0.0077
 Saturn -103127-06-27 08:23 J -35945536.25 -35945536.15 -35945536.03 0.0269 0.0247
 Neptune -103126-04-03 00:13 J -35945256.79 -35945256.49 -35945256.15 0.0088 0.0025
 Neptune -103124-02-26 18:13 J -35944561.05 -35944560.74 -35944560.41 0.0089 0.0027
 Neptune -103122-01-23 13:25 J -35943865.08 -35943864.94 -35943864.78 0.0089 0.0079
 Saturn -103113-06-24 00:13 J -35940425.79 -35940425.49 -35940425.17 0.0290 0.0029
 Pluto -103099-07-29 15:06 J -35935277.14 -35935276.87 -35935276.56 0.0065 0.0021
 Saturn -103099-08-19 09:49 J -35935256.37 -35935256.09 -35935255.81 0.0270 0.0007
 Uranus -103098-11-08 07:11 J -35934810.47 -35934810.20 -35934809.91 0.0143 0.0078
 Saturn -103083-08-17 01:25 J -35929414.61 -35929414.44 -35929414.24 0.0291 0.0236
 Jupiter -103071-12-28 15:35 J -35924898.10 -35924897.85 -35924897.59 0.0513 0.0036
 Saturn -103069-10-05 03:35 J -35924251.58 -35924251.35 -35924251.10 0.0269 0.0129
 Uranus -103059-05-15 05:01 J -35920742.57 -35920742.29 -35920742.00 0.0136 0.0019
 Saturn -103055-09-26 16:18 J -35919147.07 -35919146.82 -35919146.54 0.0289 0.0150
 Neptune -103046-03-27 21:06 J -35916042.80 -35916042.62 -35916042.41 0.0089 0.0067
 Neptune -103044-02-19 00:42 J -35915348.75 -35915348.47 -35915348.16 0.0089 0.0020
 Neptune -103042-01-14 03:35 J -35914654.64 -35914654.35 -35914654.07 0.0089 0.0027
 Saturn -103041-11-26 23:01 J -35913971.78 -35913971.54 -35913971.29 0.0271 0.0129
 Neptune -103041-12-08 04:04 J -35913960.46 -35913960.33 -35913960.13 0.0089 0.0074
 Saturn -103039-11-21 16:04 J -35913246.88 -35913246.83 -35913246.75 0.0268 0.0261
 Saturn -103025-11-18 05:59 J -35908136.55 -35908136.25 -35908135.94 0.0290 0.0051
 Uranus -103015-07-29 04:47 J -35904596.49 -35904596.30 -35904596.06 0.0143 0.0109
 Saturn -103010-01-13 19:54 J -35902966.95 -35902966.67 -35902966.39 0.0270 0.0008
 Jupiter -103006-11-16 04:18 J -35901199.59 -35901199.32 -35901199.04 0.0514 0.0199

103RD MILLENNIUM BCE

This is a list of transits of Mars in the 103rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-102994-01-12	15:35 J	-35897123.98	-35897123.85	-35897123.71	0.0291	0.0262	
Saturn	-102982-03-07	04:47 J	-35892687.39	-35892687.30	-35892687.18	0.0272	0.0252	
Saturn	-102980-03-01	15:21 J	-35891962.08	-35891961.86	-35891961.62	0.0269	0.0147	
Uranus	-102974-01-07	11:16 J	-35889824.29	-35889824.03	-35889823.76	0.0135	0.0056	
Saturn	-102966-02-20	17:01 J	-35886858.07	-35886857.79	-35886857.51	0.0289	0.0129	
Neptune	-102963-11-14	23:45 J	-35885494.79	-35885494.51	-35885494.23	0.0088	0.0047	
Neptune	-102961-10-10	16:04 J	-35884799.15	-35884798.83	-35884798.49	0.0088	0.0005	
Neptune	-102959-09-06	10:04 J	-35884103.31	-35884103.08	-35884102.81	0.0089	0.0058	
Saturn	-102952-04-23	04:33 J	-35881682.55	-35881682.31	-35881682.05	0.0271	0.0114	
Jupiter	-102952-06-18	23:01 J	-35881625.69	-35881625.54	-35881625.38	0.0511	0.0404	
Saturn	-102936-04-15	12:42 J	-35875846.27	-35875845.97	-35875845.67	0.0290	0.0077	
Uranus	-102930-03-25	11:45 J	-35873676.34	-35873676.01	-35873675.68	0.0143	0.0003	
Saturn	-102922-06-10	08:09 J	-35870677.43	-35870677.16	-35870676.88	0.0270	0.0030	
Jupiter	-102916-03-22	22:47 J	-35868564.79	-35868564.55	-35868564.31	0.0513	0.0180	
Saturn	-102906-06-08	09:21 J	-35864835.17	-35864835.11	-35864835.01	0.0291	0.0282	
Saturn	-102894-08-01	06:28 J	-35860398.36	-35860398.23	-35860398.09	0.0271	0.0239	
Saturn	-102892-07-26	16:47 J	-35859673.01	-35859672.80	-35859672.57	0.0269	0.0160	
Uranus	-102892-10-01	19:54 J	-35859605.88	-35859605.67	-35859605.41	0.0136	0.0080	

Uranus -102890-09-01 15:21 J -35858905.94 -35858905.86 -35858905.77 0.0135 0.0128
 Jupiter -102887-05-03 17:45 J -35857930.94 -35857930.76 -35857930.57 0.0516 0.0403
 Neptune -102883-11-10 02:23 J -35856279.41 -35856279.40 -35856279.32 0.0089 0.0088
 Neptune -102881-10-04 07:54 J -35855585.42 -35855585.17 -35855584.89 0.0089 0.0040
 Neptune -102879-08-29 11:01 J -35854891.33 -35854891.04 -35854890.74 0.0089 0.0008
 Saturn -102878-07-18 12:42 J -35854568.26 -35854567.97 -35854567.68 0.0289 0.0106
 Neptune -102877-07-23 11:59 J -35854197.22 -35854197.00 -35854196.76 0.0089 0.0055
 Saturn -102864-09-17 17:45 J -35849393.02 -35849392.76 -35849392.49 0.0270 0.0091
 Pluto -102853-12-20 06:13 J -35845281.51 -35845281.24 -35845280.96 0.0065 0.0027
 Jupiter -102851-02-09 03:21 J -35844865.51 -35844865.36 -35844865.20 0.0514 0.0433
 Saturn -102848-09-08 21:21 J -35843557.90 -35843557.61 -35843557.31 0.0290 0.0092
 Uranus -102846-11-19 17:30 J -35842755.98 -35842755.77 -35842755.51 0.0143 0.0103
 Saturn -102834-11-04 04:04 J -35838388.60 -35838388.33 -35838388.05 0.0269 0.0041
 Saturn -102820-10-19 17:01 J -35833289.83 -35833289.79 -35833289.71 0.0288 0.0282
 Uranus -102807-05-27 04:47 J -35828687.59 -35828687.30 -35828687.01 0.0136 0.0004
 Saturn -102806-12-26 16:18 J -35828108.97 -35828108.82 -35828108.63 0.0272 0.0218
 Saturn -102804-12-21 00:42 J -35827383.67 -35827383.47 -35827383.26 0.0269 0.0178
 Neptune -102799-06-29 00:42 J -35825732.65 -35825732.47 -35825732.24 0.0088 0.0069
 Jupiter -102798-09-12 10:04 J -35825292.30 -35825292.08 -35825291.85 0.0511 0.0253
 Neptune -102797-05-24 15:21 J -35825037.18 -35825036.86 -35825036.53 0.0088 0.0017
 Neptune -102795-04-20 07:40 J -35824341.46 -35824341.18 -35824340.86 0.0088 0.0037
 Saturn -102790-12-11 13:40 J -35822280.22 -35822279.93 -35822279.64 0.0289 0.0097
 Saturn -102775-02-11 06:28 J -35817104.50 -35817104.23 -35817103.96 0.0270 0.0084
 Pluto -102765-05-09 08:52 J -35813364.43 -35813364.13 -35813363.81 0.0080 0.0029
 Uranus -102763-08-09 13:54 J -35812542.17 -35812541.92 -35812541.63 0.0143 0.0085
 Jupiter -102762-06-16 23:16 J -35812230.70 -35812230.53 -35812230.36 0.0514 0.0380
 Saturn -102759-02-02 17:30 J -35811269.05 -35811268.77 -35811268.47 0.0290 0.0106
 Saturn -102745-03-30 07:40 J -35806099.44 -35806099.18 -35806098.90 0.0270 0.0058
 Jupiter -102733-07-28 08:09 J -35801596.45 -35801596.16 -35801595.87 0.0516 0.0125
 Saturn -102731-03-14 12:57 J -35801002.04 -35801001.96 -35801001.88 0.0288 0.0277

Uranus -102722-01-19 10:04 J -35797769.32 -35797769.08 -35797768.83 0.0135 0.0071
 Neptune -102717-05-19 14:09 J -35795822.13 -35795821.91 -35795821.69 0.0089 0.0060
 Saturn -102717-05-20 20:37 J -35795820.79 -35795820.64 -35795820.45 0.0272 0.0216
 Neptune -102715-04-13 18:57 J -35795128.00 -35795127.71 -35795127.41 0.0089 0.0012
 Saturn -102715-05-16 06:42 J -35795095.41 -35795095.22 -35795095.01 0.0269 0.0183
 Neptune -102713-03-07 22:18 J -35794433.84 -35794433.57 -35794433.29 0.0089 0.0036
 Neptune -102711-01-30 22:47 J -35793739.61 -35793739.55 -35793739.42 0.0089 0.0084
 Saturn -102701-05-05 21:49 J -35789991.88 -35789991.59 -35789991.29 0.0289 0.0087
 Saturn -102687-07-08 04:47 J -35784815.57 -35784815.30 -35784815.03 0.0271 0.0070
 Uranus -102678-04-05 15:49 J -35781622.17 -35781621.84 -35781621.51 0.0143 0.0017
 Saturn -102671-06-28 05:16 J -35778981.57 -35778981.28 -35778980.99 0.0290 0.0106
 Saturn -102657-08-23 08:23 J -35773811.42 -35773811.15 -35773810.87 0.0270 0.0058
 Jupiter -102644-12-06 21:21 J -35768957.86 -35768957.61 -35768957.35 0.0512 0.0029
 Saturn -102643-08-07 13:40 J -35768714.02 -35768713.93 -35768713.82 0.0288 0.0270
 Uranus -102640-10-13 21:49 J -35767550.83 -35767550.59 -35767550.32 0.0136 0.0062
 Neptune -102633-01-06 18:57 J -35765275.00 -35765274.71 -35765274.41 0.0088 0.0038
 Neptune -102632-12-02 10:04 J -35764579.40 -35764579.08 -35764578.75 0.0088 0.0015
 Neptune -102630-10-29 02:23 J -35763883.58 -35763883.40 -35763883.16 0.0089 0.0069
 Saturn -102629-10-14 15:06 J -35763532.04 -35763531.87 -35763531.68 0.0272 0.0205
 Saturn -102627-10-10 02:37 J -35762806.57 -35762806.39 -35762806.19 0.0269 0.0194
 Saturn -102613-09-28 12:13 J -35757704.28 -35757703.99 -35757703.69 0.0289 0.0089
 Saturn -102599-12-01 00:57 J -35752527.72 -35752527.46 -35752527.18 0.0271 0.0073
 Uranus -102594-11-30 15:49 J -35750702.00 -35750701.84 -35750701.64 0.0143 0.0120
 Saturn -102583-11-21 01:25 J -35746693.72 -35746693.44 -35746693.14 0.0290 0.0110
 Jupiter -102579-10-22 21:21 J -35745261.89 -35745261.61 -35745261.32 0.0516 0.0147
 Saturn -102568-01-17 01:11 J -35741522.72 -35741522.45 -35741522.18 0.0270 0.0067
 Uranus -102555-06-08 02:23 J -35736632.68 -35736632.40 -35736632.11 0.0136 0.0012
 Saturn -102555-12-31 09:35 J -35736426.18 -35736426.10 -35736425.99 0.0287 0.0272
 Neptune -102553-01-02 22:04 J -35736058.69 -35736058.58 -35736058.45 0.0089 0.0081
 Neptune -102552-11-27 03:06 J -35735364.64 -35735364.37 -35735364.08 0.0089 0.0032

Neptune -102550-10-22 06:57 J -35734670.49 -35734670.21 -35734669.90 0.0089 0.0017
 Neptune -102548-09-15 09:35 J -35733976.29 -35733976.10 -35733975.88 0.0089 0.0065
 Saturn -102540-03-09 07:54 J -35731244.34 -35731244.17 -35731243.99 0.0272 0.0210
 Saturn -102538-03-04 23:01 J -35730518.72 -35730518.54 -35730518.33 0.0269 0.0193
 Jupiter -102525-05-28 21:49 J -35725684.72 -35725684.59 -35725684.44 0.0510 0.0422
 Saturn -102524-02-21 06:28 J -35725416.51 -35725416.23 -35725415.92 0.0289 0.0085
 Pluto -102519-10-01 04:47 J -35723368.41 -35723368.30 -35723368.13 0.0080 0.0072
 Uranus -102511-08-20 08:23 J -35720488.42 -35720488.15 -35720487.84 0.0143 0.0069
 Saturn -102510-04-26 14:37 J -35720239.16 -35720238.89 -35720238.62 0.0272 0.0067
 Saturn -102494-04-15 22:18 J -35714405.85 -35714405.57 -35714405.27 0.0289 0.0108
 Jupiter -102489-03-02 01:54 J -35712623.66 -35712623.42 -35712623.18 0.0512 0.0181
 Saturn -102480-06-11 20:23 J -35709234.92 -35709234.65 -35709234.38 0.0270 0.0064
 Uranus -102472-03-02 10:18 J -35706414.16 -35706414.07 -35706413.92 0.0136 0.0125
 Uranus -102470-01-31 06:13 J -35705714.46 -35705714.24 -35705714.01 0.0135 0.0084
 Neptune -102470-08-20 23:01 J -35705512.76 -35705512.54 -35705512.28 0.0088 0.0060
 Neptune -102468-07-16 13:11 J -35704817.28 -35704816.95 -35704816.62 0.0088 0.0007
 Saturn -102466-05-26 07:54 J -35704138.28 -35704138.17 -35704138.05 0.0287 0.0265
 Neptune -102466-06-12 04:04 J -35704121.58 -35704121.33 -35704121.02 0.0088 0.0048
 Jupiter -102460-04-10 09:35 J -35701992.29 -35701992.10 -35701991.91 0.0518 0.0397
 Saturn -102452-08-02 21:06 J -35698955.78 -35698955.62 -35698955.42 0.0273 0.0206
 Saturn -102450-07-29 15:21 J -35698230.04 -35698229.86 -35698229.67 0.0270 0.0199
 Saturn -102436-07-17 16:33 J -35693128.10 -35693127.81 -35693127.51 0.0288 0.0083
 Uranus -102426-04-16 11:16 J -35689568.35 -35689568.03 -35689567.71 0.0143 0.0034
 Jupiter -102424-01-16 20:09 J -35688926.78 -35688926.66 -35688926.51 0.0515 0.0456
 Saturn -102422-09-19 12:57 J -35687951.23 -35687950.96 -35687950.69 0.0272 0.0069
 Saturn -102406-09-09 00:42 J -35682117.76 -35682117.47 -35682117.19 0.0289 0.0115
 Saturn -102392-11-05 14:09 J -35676946.17 -35676945.91 -35676945.64 0.0271 0.0070
 Neptune -102388-07-12 11:16 J -35675601.25 -35675601.03 -35675600.77 0.0089 0.0053
 Uranus -102388-10-25 15:06 J -35675496.13 -35675495.87 -35675495.59 0.0136 0.0051
 Neptune -102386-06-06 16:18 J -35674907.12 -35674906.82 -35674906.52 0.0089 0.0003

Neptune -102384-04-30 19:11 J -35674212.94 -35674212.70 -35674212.42 0.0089 0.0046
 Saturn -102378-10-20 08:37 J -35671849.27 -35671849.14 -35671849.01 0.0286 0.0258
 Jupiter -102371-08-22 21:35 J -35669350.82 -35669350.60 -35669350.36 0.0510 0.0224
 Saturn -102364-12-27 00:13 J -35666667.66 -35666667.49 -35666667.29 0.0273 0.0205
 Saturn -102362-12-22 19:54 J -35665941.85 -35665941.67 -35665941.48 0.0270 0.0199
 Saturn -102348-12-11 02:37 J -35660839.69 -35660839.39 -35660839.09 0.0288 0.0072
 Uranus -102342-12-11 14:37 J -35658647.96 -35658647.89 -35658647.78 0.0143 0.0138
 Jupiter -102335-05-27 04:18 J -35656289.48 -35656289.32 -35656289.15 0.0511 0.0391
 Saturn -102333-02-13 08:52 J -35655662.40 -35655662.13 -35655661.85 0.0272 0.0063
 Saturn -102317-02-03 09:49 J -35649828.36 -35649828.09 -35649827.80 0.0289 0.0126
 Neptune -102306-04-04 05:45 J -35645750.37 -35645750.26 -35645750.12 0.0088 0.0082
 Jupiter -102306-07-05 17:30 J -35645658.05 -35645657.77 -35645657.48 0.0518 0.0123
 Neptune -102304-02-27 17:30 J -35645055.06 -35645054.77 -35645054.44 0.0088 0.0029
 Saturn -102303-03-31 23:59 J -35644657.76 -35644657.50 -35644657.23 0.0271 0.0074
 Uranus -102303-06-19 20:09 J -35644577.95 -35644577.66 -35644577.38 0.0136 0.0022
 Neptune -102302-01-24 08:09 J -35644359.47 -35644359.16 -35644358.84 0.0088 0.0026
 Neptune -102301-12-19 23:45 J -35643663.61 -35643663.51 -35643663.33 0.0089 0.0081
 Saturn -102289-03-15 00:57 J -35639560.62 -35639560.46 -35639560.30 0.0287 0.0244
 Saturn -102275-05-22 22:04 J -35634378.76 -35634378.58 -35634378.37 0.0273 0.0197
 Saturn -102273-05-17 19:54 J -35633652.83 -35633652.67 -35633652.48 0.0270 0.0209
 Saturn -102259-05-08 00:13 J -35628549.79 -35628549.49 -35628549.19 0.0287 0.0055
 Uranus -102259-08-31 09:06 J -35628434.42 -35628434.12 -35628433.79 0.0143 0.0049
 Saturn -102245-07-09 02:23 J -35623373.67 -35623373.40 -35623373.12 0.0272 0.0054
 Saturn -102229-06-29 09:06 J -35617539.38 -35617539.12 -35617538.84 0.0289 0.0143
 Neptune -102224-02-24 17:30 J -35615837.91 -35615837.77 -35615837.57 0.0089 0.0074
 Neptune -102222-01-20 01:25 J -35615143.71 -35615143.44 -35615143.13 0.0089 0.0024
 Neptune -102221-12-14 05:59 J -35614449.53 -35614449.25 -35614448.96 0.0089 0.0026
 Uranus -102220-03-14 07:54 J -35614359.32 -35614359.17 -35614359.00 0.0136 0.0112
 Neptune -102219-11-08 07:54 J -35613755.29 -35613755.17 -35613754.98 0.0089 0.0076
 Uranus -102218-02-12 01:25 J -35613659.63 -35613659.44 -35613659.23 0.0135 0.0096

Jupiter -102217-11-15 20:23 J -35613016.91 -35613016.65 -35613016.40 0.0509 0.0029
 Saturn -102215-08-26 04:18 J -35612368.57 -35612368.32 -35612368.05 0.0271 0.0085
 Saturn -102201-08-10 06:13 J -35607270.42 -35607270.24 -35607270.04 0.0286 0.0224
 Saturn -102187-10-17 02:37 J -35602089.60 -35602089.39 -35602089.18 0.0273 0.0181
 Saturn -102185-10-11 20:52 J -35601363.77 -35601363.63 -35601363.45 0.0270 0.0219
 Uranus -102174-04-27 11:30 J -35597514.31 -35597514.02 -35597513.69 0.0143 0.0053
 Saturn -102171-10-02 03:06 J -35596260.67 -35596260.37 -35596260.06 0.0288 0.0035
 Saturn -102157-12-03 10:04 J -35591084.35 -35591084.08 -35591083.80 0.0272 0.0041
 Jupiter -102152-09-27 17:45 J -35589325.06 -35589324.76 -35589324.47 0.0518 0.0063
 Neptune -102141-10-12 00:28 J -35585292.73 -35585292.48 -35585292.20 0.0088 0.0051
 Saturn -102141-11-24 21:35 J -35585248.84 -35585248.60 -35585248.34 0.0289 0.0168
 Neptune -102139-09-07 13:11 J -35584597.28 -35584596.95 -35584596.62 0.0088 0.0004
 Neptune -102137-08-03 03:35 J -35583901.58 -35583901.35 -35583901.09 0.0088 0.0059
 Uranus -102136-11-06 14:23 J -35583441.17 -35583440.90 -35583440.61 0.0136 0.0036
 Saturn -102126-01-20 13:11 J -35580079.20 -35580078.95 -35580078.69 0.0271 0.0101
 Pluto -102115-04-05 22:33 J -35575985.67 -35575985.56 -35575985.38 0.0065 0.0057
 Saturn -102112-01-04 09:06 J -35574981.34 -35574981.12 -35574980.91 0.0287 0.0203
 Saturn -102098-03-13 10:04 J -35569800.30 -35569800.08 -35569799.85 0.0273 0.0167
 Jupiter -102098-05-08 07:54 J -35569744.27 -35569744.17 -35569744.06 0.0507 0.0458
 Saturn -102096-03-08 06:13 J -35569074.37 -35569074.24 -35569074.10 0.0270 0.0232
 Uranus -102091-01-15 03:21 J -35567300.45 -35567300.36 -35567300.22 0.0142 0.0134
 Saturn -102082-02-27 14:52 J -35563970.19 -35563969.88 -35563969.57 0.0288 0.0008
 Saturn -102068-04-29 23:45 J -35558794.79 -35558794.51 -35558794.23 0.0272 0.0020
 Jupiter -102062-02-09 05:01 J -35556683.54 -35556683.29 -35556683.04 0.0510 0.0118
 Neptune -102059-09-04 07:54 J -35555380.41 -35555380.17 -35555379.88 0.0089 0.0045
 Neptune -102057-07-29 14:52 J -35554686.18 -35554685.88 -35554685.57 0.0089 0.0006
 Neptune -102055-06-23 18:42 J -35553991.94 -35553991.72 -35553991.48 0.0089 0.0056
 Saturn -102052-04-20 23:01 J -35552959.76 -35552959.54 -35552959.29 0.0289 0.0189
 Uranus -102051-07-01 20:09 J -35552522.92 -35552522.66 -35552522.37 0.0136 0.0039
 Saturn -102038-06-16 19:25 J -35547789.93 -35547789.69 -35547789.43 0.0271 0.0116

Saturn -102024-06-01 13:40 J -35542691.16 -35542690.93 -35542690.68 0.0287 0.0178

Saturn -102010-08-08 03:49 J -35537510.57 -35537510.34 -35537510.09 0.0273 0.0143

Saturn -102008-08-02 18:57 J -35536784.81 -35536784.71 -35536784.61 0.0270 0.0251

Uranus -102007-09-11 02:37 J -35536380.70 -35536380.39 -35536380.05 0.0143 0.0034

102ND MILLENNIUM BCE

This is a list of transits of Mars in the 102nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-101998-12-22 12:13 J	-35532991.24	-35532990.99	-35532990.75	0.0517	0.0289		
Saturn	-101994-07-24 10:47 J	-35531681.36	-35531681.05	-35531680.74	0.0288	0.0010		
Saturn	-101980-09-24 03:35 J	-35526505.63	-35526505.35	-35526505.07	0.0271	0.0006		
Neptune	-101977-05-26 05:30 J	-35525530.41	-35525530.27	-35525530.05	0.0088	0.0074		
Neptune	-101975-04-21 17:59 J	-35524835.07	-35524834.75	-35524834.43	0.0088	0.0019		
Neptune	-101973-03-17 06:42 J	-35524139.50	-35524139.22	-35524138.90	0.0088	0.0037		
Uranus	-101968-03-26 07:25 J	-35522304.38	-35522304.19	-35522303.97	0.0136	0.0095		
Uranus	-101966-02-24 01:54 J	-35521604.56	-35521604.42	-35521604.24	0.0135	0.0112		
Saturn	-101964-09-15 23:30 J	-35520669.71	-35520669.52	-35520669.29	0.0289	0.0214		
Saturn	-101952-11-14 22:47 J	-35516226.59	-35516226.55	-35516226.49	0.0274	0.0269		
Saturn	-101950-11-11 10:33 J	-35515500.30	-35515500.06	-35515499.82	0.0270	0.0137		
Jupiter	-101944-07-31 15:21 J	-35513411.06	-35513410.86	-35513410.66	0.0508	0.0319		
Saturn	-101936-10-26 03:21 J	-35510402.61	-35510402.36	-35510402.10	0.0287	0.0164		

Uranus -101922-05-08 04:18 J -35505460.60 -35505460.32 -35505460.01 0.0143 0.0068
 Saturn -101921-01-02 02:37 J -35505221.62 -35505221.39 -35505221.13 0.0272 0.0131
 Saturn -101920-12-27 18:13 J -35504495.79 -35504495.74 -35504495.68 0.0270 0.0263
 Jupiter -101908-05-05 00:13 J -35500349.69 -35500349.49 -35500349.28 0.0510 0.0300
 Saturn -101906-12-18 22:33 J -35499391.87 -35499391.56 -35499391.25 0.0288 0.0031
 Neptune -101895-04-19 14:52 J -35495617.08 -35495616.88 -35495616.68 0.0089 0.0066
 Neptune -101893-03-13 21:21 J -35494922.90 -35494922.61 -35494922.31 0.0089 0.0015
 Neptune -101891-02-06 03:35 J -35494228.61 -35494228.35 -35494228.06 0.0089 0.0036
 Saturn -101891-02-18 16:47 J -35494216.08 -35494215.80 -35494215.52 0.0271 0.0016
 Neptune -101889-01-01 07:40 J -35493534.23 -35493534.18 -35493534.09 0.0089 0.0086
 Uranus -101884-11-18 12:57 J -35491386.25 -35491385.96 -35491385.68 0.0136 0.0021
 Jupiter -101879-06-09 05:30 J -35489722.50 -35489722.27 -35489722.03 0.0520 0.0315
 Saturn -101875-02-09 03:21 J -35488381.55 -35488381.36 -35488381.16 0.0289 0.0223
 Pluto -101869-08-27 10:33 J -35485990.33 -35485990.06 -35485989.74 0.0065 0.0018
 Saturn -101863-04-10 12:57 J -35483938.03 -35483937.96 -35483937.87 0.0274 0.0262
 Saturn -101861-04-06 02:23 J -35483211.64 -35483211.40 -35483211.17 0.0270 0.0146
 Saturn -101847-03-22 01:40 J -35478113.68 -35478113.43 -35478113.16 0.0287 0.0148
 Jupiter -101843-03-17 02:52 J -35476657.43 -35476657.38 -35476657.31 0.0517 0.0506
 Uranus -101839-01-25 22:04 J -35475246.77 -35475246.58 -35475246.39 0.0142 0.0116
 Saturn -101833-05-28 10:04 J -35472932.34 -35472932.08 -35472931.82 0.0273 0.0112
 Saturn -101817-05-12 20:37 J -35467103.94 -35467103.64 -35467103.33 0.0288 0.0036
 Neptune -101812-12-03 23:16 J -35465072.80 -35465072.53 -35465072.22 0.0088 0.0042
 Neptune -101810-10-30 11:59 J -35464377.32 -35464377.00 -35464376.67 0.0088 0.0014
 Neptune -101808-09-25 01:25 J -35463681.62 -35463681.44 -35463681.22 0.0088 0.0070
 Saturn -101803-07-15 00:13 J -35461927.77 -35461927.49 -35461927.21 0.0271 0.0021
 Uranus -101799-07-13 18:42 J -35460467.97 -35460467.72 -35460467.44 0.0136 0.0053
 Jupiter -101790-10-25 20:23 J -35457076.90 -35457076.65 -35457076.40 0.0508 0.0113
 Saturn -101787-07-05 17:01 J -35456092.96 -35456092.79 -35456092.60 0.0289 0.0235
 Saturn -101775-09-04 14:23 J -35451649.00 -35451648.90 -35451648.77 0.0274 0.0248
 Saturn -101773-08-31 04:18 J -35450922.55 -35450922.32 -35450922.10 0.0271 0.0160

Saturn -101759-08-14 22:47 J -35445825.80 -35445825.55 -35445825.28 0.0286 0.0146
 Uranus -101755-09-22 01:11 J -35444326.78 -35444326.45 -35444326.12 0.0143 0.0015
 Jupiter -101754-07-29 21:49 J -35444015.65 -35444015.59 -35444015.51 0.0510 0.0489
 Saturn -101745-10-21 10:47 J -35440644.30 -35440644.05 -35440643.78 0.0273 0.0113
 Neptune -101730-10-28 03:35 J -35435159.61 -35435159.35 -35435159.06 0.0089 0.0037
 Saturn -101729-10-06 01:11 J -35434815.76 -35434815.45 -35434815.15 0.0288 0.0044
 Neptune -101728-09-21 09:49 J -35434465.38 -35434465.09 -35434464.79 0.0089 0.0015
 Neptune -101726-08-16 14:23 J -35433771.09 -35433770.90 -35433770.70 0.0089 0.0066
 Jupiter -101725-09-02 11:16 J -35433388.32 -35433388.03 -35433387.74 0.0520 0.0059
 Uranus -101716-04-07 07:54 J -35430249.40 -35430249.17 -35430248.93 0.0136 0.0079
 Saturn -101715-12-08 21:06 J -35429638.90 -35429638.62 -35429638.34 0.0272 0.0032
 Uranus -101714-03-08 00:57 J -35429549.56 -35429549.46 -35429549.36 0.0135 0.0126
 Saturn -101699-11-28 07:40 J -35423805.36 -35423805.18 -35423804.99 0.0289 0.0232
 Saturn -101686-01-28 09:06 J -35419361.23 -35419361.12 -35419361.01 0.0274 0.0252
 Saturn -101684-01-24 01:54 J -35418634.63 -35418634.42 -35418634.18 0.0271 0.0160
 Jupiter -101671-04-16 21:49 J -35413803.60 -35413803.59 -35413803.57 0.0506 0.0504
 Saturn -101670-01-07 21:06 J -35413537.88 -35413537.62 -35413537.35 0.0287 0.0141
 Uranus -101670-05-19 05:01 J -35413406.54 -35413406.29 -35413406.01 0.0143 0.0087
 Saturn -101656-03-17 02:23 J -35408355.65 -35408355.40 -35408355.13 0.0273 0.0105
 Neptune -101648-07-18 04:47 J -35405310.49 -35405310.30 -35405310.05 0.0088 0.0065
 Neptune -101646-06-13 14:37 J -35404615.20 -35404614.89 -35404614.55 0.0088 0.0010
 Neptune -101644-05-09 02:52 J -35403919.64 -35403919.38 -35403919.08 0.0088 0.0047
 Saturn -101640-02-28 19:11 J -35402528.00 -35402527.70 -35402527.39 0.0287 0.0041
 Jupiter -101635-01-18 23:30 J -35400742.77 -35400742.52 -35400742.26 0.0508 0.0092
 Uranus -101632-11-30 16:33 J -35399331.10 -35399330.81 -35399330.52 0.0136 0.0003
 Saturn -101626-05-03 14:37 J -35397351.17 -35397350.89 -35397350.61 0.0272 0.0028
 Pluto -101622-01-18 22:47 J -35395994.83 -35395994.55 -35395994.24 0.0065 0.0018
 Saturn -101610-04-23 02:09 J -35391517.59 -35391517.41 -35391517.23 0.0289 0.0235
 Saturn -101598-06-23 20:37 J -35387072.75 -35387072.64 -35387072.51 0.0275 0.0249
 Saturn -101596-06-19 16:18 J -35386346.03 -35386345.82 -35386345.59 0.0271 0.0166

Uranus -101587-02-05 23:01 J -35383192.76 -35383192.54 -35383192.27 0.0142 0.0096
 Saturn -101582-06-02 23:59 J -35381249.75 -35381249.50 -35381249.22 0.0286 0.0142
 Jupiter -101571-11-28 14:23 J -35377053.15 -35377052.90 -35377052.64 0.0519 0.0268
 Saturn -101568-08-09 19:11 J -35376067.95 -35376067.70 -35376067.43 0.0273 0.0111
 Neptune -101566-06-12 05:30 J -35375396.47 -35375396.27 -35375396.02 0.0089 0.0060
 Neptune -101564-05-06 14:23 J -35374702.19 -35374701.90 -35374701.59 0.0089 0.0007
 Neptune -101562-03-31 20:23 J -35374007.89 -35374007.65 -35374007.38 0.0089 0.0045
 Saturn -101552-07-24 14:52 J -35370240.19 -35370239.88 -35370239.57 0.0287 0.0045
 Uranus -101549-08-25 05:59 J -35369112.29 -35369112.25 -35369112.16 0.0137 0.0133
 Uranus -101547-07-26 00:42 J -35368412.70 -35368412.47 -35368412.22 0.0136 0.0073
 Saturn -101538-09-27 05:01 J -35365062.57 -35365062.29 -35365062.01 0.0273 0.0032
 Pluto -101535-06-05 11:01 J -35364080.31 -35364080.04 -35364079.71 0.0080 0.0034
 Saturn -101522-09-16 08:09 J -35359229.33 -35359229.16 -35359228.97 0.0288 0.0234
 Jupiter -101517-07-10 23:59 J -35357469.70 -35357469.50 -35357469.29 0.0506 0.0297
 Saturn -101510-11-16 15:49 J -35354784.95 -35354784.84 -35354784.72 0.0275 0.0251
 Saturn -101508-11-12 14:09 J -35354058.13 -35354057.91 -35354057.68 0.0271 0.0163
 Uranus -101503-10-03 00:13 J -35352272.82 -35352272.49 -35352272.15 0.0143 0.0005
 Saturn -101494-10-27 01:11 J -35348961.72 -35348961.45 -35348961.18 0.0286 0.0135
 Neptune -101484-03-01 11:01 J -35345548.05 -35345548.04 -35345547.98 0.0088 0.0088
 Neptune -101482-01-25 19:25 J -35344852.98 -35344852.69 -35344852.38 0.0088 0.0033
 Jupiter -101481-04-14 05:45 J -35344408.45 -35344408.26 -35344408.05 0.0508 0.0313
 Neptune -101481-12-21 05:16 J -35344157.58 -35344157.28 -35344156.94 0.0088 0.0024
 Saturn -101479-01-03 10:04 J -35343779.33 -35343779.08 -35343778.82 0.0274 0.0107
 Neptune -101479-11-16 18:13 J -35343461.87 -35343461.74 -35343461.59 0.0088 0.0080
 Uranus -101464-04-19 17:01 J -35338194.05 -35338193.79 -35338193.53 0.0136 0.0056
 Saturn -101464-12-18 10:33 J -35337951.36 -35337951.06 -35337950.75 0.0287 0.0049
 Jupiter -101452-05-16 15:21 J -35333784.09 -35333783.86 -35333783.62 0.0522 0.0316
 Saturn -101449-02-20 06:42 J -35332774.50 -35332774.22 -35332773.94 0.0273 0.0032
 Saturn -101433-02-09 13:40 J -35326941.09 -35326940.93 -35326940.75 0.0288 0.0242
 Saturn -101421-04-11 06:42 J -35322496.33 -35322496.22 -35322496.08 0.0275 0.0247

Saturn -101419-04-08 08:52 J -35321769.34 -35321769.13 -35321768.90 0.0272 0.0169
 Uranus -101418-05-30 04:33 J -35321352.53 -35321352.31 -35321352.09 0.0143 0.0107
 Saturn -101405-03-22 08:37 J -35316672.40 -35316672.14 -35316671.85 0.0285 0.0125
 Neptune -101402-01-25 06:42 J -35315633.32 -35315633.22 -35315633.11 0.0089 0.0083
 Neptune -101401-12-19 15:35 J -35314939.12 -35314938.85 -35314938.55 0.0089 0.0030
 Neptune -101399-11-13 23:16 J -35314244.81 -35314244.53 -35314244.22 0.0089 0.0023
 Neptune -101397-10-08 05:01 J -35313550.43 -35313550.29 -35313550.11 0.0089 0.0075
 Saturn -101391-05-29 17:16 J -35311491.03 -35311490.78 -35311490.51 0.0274 0.0102
 Uranus -101380-12-13 01:25 J -35307275.72 -35307275.44 -35307275.16 0.0136 0.0019
 Pluto -101376-06-11 03:21 J -35305999.56 -35305999.36 -35305999.12 0.0065 0.0044
 Saturn -101375-05-13 22:04 J -35305662.87 -35305662.58 -35305662.27 0.0287 0.0061
 Jupiter -101363-10-05 03:21 J -35301135.62 -35301135.36 -35301135.11 0.0506 0.0087
 Saturn -101361-07-16 04:04 J -35300485.61 -35300485.33 -35300485.05 0.0273 0.0040
 Saturn -101345-07-06 06:28 J -35294651.36 -35294651.23 -35294651.08 0.0287 0.0256
 Uranus -101335-02-16 21:49 J -35291138.85 -35291138.59 -35291138.28 0.0142 0.0076
 Saturn -101333-09-05 00:57 J -35290207.60 -35290207.46 -35290207.31 0.0275 0.0235
 Saturn -101331-09-02 00:42 J -35289480.67 -35289480.47 -35289480.25 0.0272 0.0176
 Jupiter -101327-07-09 03:06 J -35288074.39 -35288074.37 -35288074.33 0.0508 0.0505
 Neptune -101319-09-08 22:47 J -35285090.78 -35285090.55 -35285090.29 0.0088 0.0057
 Neptune -101317-08-04 07:54 J -35284395.50 -35284395.17 -35284394.84 0.0088 0.0001
 Saturn -101317-08-16 02:23 J -35284383.67 -35284383.40 -35284383.11 0.0286 0.0110
 Neptune -101315-06-30 17:30 J -35283699.99 -35283699.77 -35283699.48 0.0088 0.0057
 Saturn -101303-10-23 18:42 J -35279201.98 -35279201.72 -35279201.45 0.0274 0.0092
 Jupiter -101298-08-09 22:04 J -35277450.87 -35277450.58 -35277450.29 0.0522 0.0107
 Uranus -101297-09-06 14:23 J -35277057.05 -35277056.90 -35277056.71 0.0137 0.0111
 Uranus -101295-08-07 09:06 J -35276357.31 -35276357.12 -35276356.90 0.0136 0.0094
 Pluto -101289-10-26 13:25 J -35274085.24 -35274084.94 -35274084.60 0.0080 0.0020
 Saturn -101287-10-09 01:40 J -35273372.73 -35273372.43 -35273372.13 0.0286 0.0082
 Saturn -101273-12-10 04:33 J -35268196.58 -35268196.31 -35268196.03 0.0273 0.0053
 Saturn -101259-11-19 22:04 J -35263103.67 -35263103.58 -35263103.47 0.0285 0.0268

Saturn -101257-11-30 06:28 J -35262362.31 -35262362.23 -35262362.12 0.0288 0.0274
 Uranus -101251-10-14 04:33 J -35260218.63 -35260218.31 -35260217.97 0.0143 0.0028
 Saturn -101244-01-30 04:33 J -35257918.46 -35257918.31 -35257918.13 0.0275 0.0223
 Jupiter -101244-03-26 19:25 J -35257862.71 -35257862.69 -35257862.65 0.0504 0.0501
 Saturn -101242-01-27 06:28 J -35257191.43 -35257191.23 -35257191.03 0.0272 0.0188
 Neptune -101237-08-03 14:37 J -35255176.11 -35255175.89 -35255175.63 0.0089 0.0054
 Neptune -101235-06-28 23:16 J -35254481.83 -35254481.53 -35254481.22 0.0089 0.0001
 Neptune -101233-05-23 05:45 J -35253787.48 -35253787.26 -35253786.99 0.0089 0.0053
 Saturn -101228-01-11 09:49 J -35252093.38 -35252093.09 -35252092.79 0.0286 0.0085
 Saturn -101214-03-20 02:52 J -35246912.65 -35246912.38 -35246912.11 0.0274 0.0072
 Uranus -101212-05-02 01:40 J -35246138.70 -35246138.43 -35246138.15 0.0136 0.0034
 Jupiter -101209-12-28 15:06 J -35244802.12 -35244801.87 -35244801.61 0.0506 0.0071
 Saturn -101198-03-05 02:37 J -35241083.67 -35241083.39 -35241083.09 0.0287 0.0102
 Saturn -101184-05-06 09:21 J -35235907.38 -35235907.11 -35235906.83 0.0273 0.0067
 Saturn -101170-04-17 04:04 J -35230813.47 -35230813.33 -35230813.15 0.0285 0.0243
 Uranus -101166-06-10 11:59 J -35229298.10 -35229298.00 -35229297.84 0.0143 0.0131
 Saturn -101156-06-26 19:25 J -35225628.88 -35225628.69 -35225628.49 0.0275 0.0199
 Neptune -101155-04-23 01:11 J -35225328.55 -35225328.45 -35225328.31 0.0088 0.0082
 Saturn -101154-06-23 16:04 J -35224902.00 -35224901.83 -35224901.64 0.0272 0.0207
 Neptune -101153-03-18 08:09 J -35224633.46 -35224633.16 -35224632.83 0.0088 0.0026
 Neptune -101151-02-11 17:45 J -35223938.06 -35223937.76 -35223937.45 0.0088 0.0032
 Jupiter -101144-11-02 15:35 J -35221117.13 -35221116.85 -35221116.56 0.0522 0.0124
 Saturn -101140-06-07 09:35 J -35219804.39 -35219804.10 -35219803.80 0.0286 0.0066
 Pluto -101130-11-02 05:16 J -35216004.32 -35216004.28 -35216004.14 0.0065 0.0062
 Uranus -101128-12-25 12:42 J -35215220.24 -35215219.97 -35215219.70 0.0136 0.0042
 Saturn -101126-08-14 07:40 J -35214623.45 -35214623.18 -35214622.90 0.0273 0.0058
 Saturn -101110-07-31 10:18 J -35208793.34 -35208793.07 -35208792.79 0.0287 0.0129
 Saturn -101096-10-01 00:42 J -35203617.73 -35203617.47 -35203617.20 0.0272 0.0089
 Jupiter -101090-06-20 00:28 J -35201529.65 -35201529.48 -35201529.29 0.0504 0.0363
 Uranus -101083-02-28 11:59 J -35199084.30 -35199084.00 -35199083.68 0.0142 0.0047

Saturn -101082-09-11 01:11 J -35198524.62 -35198524.45 -35198524.26 0.0285 0.0226
 Neptune -101073-03-18 09:21 J -35195413.23 -35195413.11 -35195412.95 0.0089 0.0079
 Neptune -101071-02-10 20:52 J -35194718.91 -35194718.63 -35194718.33 0.0089 0.0025
 Neptune -101069-01-06 05:01 J -35194024.56 -35194024.29 -35194023.99 0.0089 0.0029
 Saturn -101068-11-20 22:47 J -35193339.75 -35193339.55 -35193339.33 0.0274 0.0186
 Neptune -101068-11-30 11:30 J -35193330.12 -35193330.02 -35193329.90 0.0089 0.0082
 Saturn -101066-11-17 18:57 J -35192612.85 -35192612.71 -35192612.53 0.0271 0.0221
 Jupiter -101054-03-24 06:42 J -35188468.44 -35188468.22 -35188467.99 0.0506 0.0245
 Saturn -101052-11-02 07:54 J -35187514.47 -35187514.17 -35187513.86 0.0286 0.0041
 Uranus -101045-09-19 06:57 J -35185001.44 -35185001.21 -35185000.99 0.0137 0.0084
 Uranus -101043-08-20 00:42 J -35184301.60 -35184301.47 -35184301.33 0.0136 0.0119
 Pluto -101042-03-19 13:11 J -35184090.10 -35184089.95 -35184089.73 0.0080 0.0066
 Saturn -101037-01-09 01:40 J -35182333.71 -35182333.43 -35182333.15 0.0273 0.0034
 Jupiter -101025-04-19 23:45 J -35177848.53 -35177848.51 -35177848.45 0.0524 0.0520
 Saturn -101022-12-25 01:11 J -35176504.72 -35176504.45 -35176504.18 0.0287 0.0143
 Saturn -101007-02-24 23:30 J -35171328.77 -35171328.52 -35171328.25 0.0272 0.0101

101ST MILLENNIUM BCE

This is a list of transits of Mars in the 101st millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Uranus -100999-10-25 17:16 J -35168164.07 -35168163.78 -35168163.46 0.0143 0.0055

Saturn -100993-02-05 12:13 J -35166235.20 -35166234.99 -35166234.78 0.0285 0.0205
 Neptune -100990-10-31 09:06 J -35164871.35 -35164871.12 -35164870.82 0.0088 0.0052
 Jupiter -100989-01-26 20:09 J -35164783.89 -35164783.66 -35164783.43 0.0522 0.0317
 Neptune -100988-09-25 17:01 J -35164176.11 -35164175.79 -35164175.46 0.0088 0.0006
 Neptune -100986-08-22 02:09 J -35163480.60 -35163480.41 -35163480.15 0.0088 0.0065
 Saturn -100979-04-17 13:40 J -35161050.15 -35161049.93 -35161049.70 0.0275 0.0164
 Saturn -100977-04-13 07:54 J -35160323.28 -35160323.17 -35160323.02 0.0271 0.0240
 Saturn -100963-03-28 16:33 J -35155226.11 -35155225.81 -35155225.50 0.0286 0.0032
 Uranus -100960-05-14 21:35 J -35154082.88 -35154082.60 -35154082.31 0.0136 0.0005
 Saturn -100949-06-03 17:16 J -35150045.06 -35150044.78 -35150044.50 0.0273 0.0026
 Jupiter -100936-09-12 23:01 J -35145195.78 -35145195.54 -35145195.30 0.0504 0.0174
 Saturn -100933-05-20 04:04 J -35144215.57 -35144215.33 -35144215.06 0.0287 0.0161
 Saturn -100919-07-22 08:52 J -35139039.38 -35139039.13 -35139038.88 0.0272 0.0119
 Uranus -100916-07-15 18:42 J -35137949.89 -35137949.72 -35137949.54 0.0142 0.0120
 Neptune -100908-09-25 14:37 J -35134956.13 -35134955.89 -35134955.63 0.0089 0.0050
 Neptune -100906-08-21 01:11 J -35134261.75 -35134261.45 -35134261.14 0.0089 0.0005
 Saturn -100905-06-30 18:28 J -35133946.95 -35133946.73 -35133946.52 0.0284 0.0200
 Neptune -100904-07-15 08:09 J -35133567.36 -35133567.16 -35133566.91 0.0089 0.0059
 Jupiter -100900-06-16 21:35 J -35132134.74 -35132134.60 -35132134.45 0.0507 0.0417
 Saturn -100891-09-10 23:01 J -35128761.76 -35128761.54 -35128761.30 0.0275 0.0160
 Saturn -100889-09-06 18:42 J -35128034.83 -35128034.72 -35128034.59 0.0271 0.0245
 Uranus -100877-02-07 14:09 J -35123863.96 -35123863.91 -35123863.81 0.0137 0.0132
 Uranus -100875-01-07 10:47 J -35123164.28 -35123164.05 -35123163.79 0.0136 0.0073
 Saturn -100875-08-22 08:37 J -35122937.45 -35122937.14 -35122936.84 0.0286 0.0019
 Jupiter -100871-07-14 18:57 J -35121514.95 -35121514.71 -35121514.46 0.0524 0.0288
 Saturn -100861-10-28 22:47 J -35117755.83 -35117755.55 -35117755.27 0.0274 0.0011
 Saturn -100845-10-13 02:09 J -35111927.66 -35111927.41 -35111927.15 0.0287 0.0162
 Uranus -100831-03-11 23:45 J -35107029.83 -35107029.51 -35107029.17 0.0142 0.0020
 Saturn -100831-12-15 13:25 J -35106751.18 -35106750.94 -35106750.68 0.0272 0.0121
 Neptune -100826-06-14 07:54 J -35105109.30 -35105109.17 -35105108.99 0.0088 0.0078

Neptune -100824-05-09 14:37 J -35104414.20 -35104413.89 -35104413.57 0.0088 0.0020
 Neptune -100822-04-04 22:18 J -35103718.85 -35103718.57 -35103718.27 0.0088 0.0038
 Saturn -100817-11-24 01:40 J -35101658.65 -35101658.43 -35101658.20 0.0285 0.0191
 Saturn -100802-02-04 22:47 J -35096472.79 -35096472.55 -35096472.31 0.0275 0.0149
 Saturn -100800-01-31 19:54 J -35095745.76 -35095745.67 -35095745.58 0.0272 0.0256
 Uranus -100793-10-02 04:33 J -35092945.57 -35092945.31 -35092945.04 0.0137 0.0053
 Saturn -100786-01-15 06:42 J -35090649.52 -35090649.22 -35090648.91 0.0285 0.0021
 Jupiter -100782-12-07 21:49 J -35088861.85 -35088861.59 -35088861.33 0.0504 0.0019
 Saturn -100772-03-23 20:52 J -35085467.91 -35085467.63 -35085467.35 0.0274 0.0012
 Saturn -100756-03-08 01:40 J -35079639.67 -35079639.43 -35079639.17 0.0287 0.0168
 Uranus -100747-11-06 11:01 J -35076109.29 -35076109.04 -35076108.75 0.0143 0.0086
 Neptune -100744-05-10 06:13 J -35075193.36 -35075193.24 -35075193.05 0.0089 0.0077
 Neptune -100742-04-04 17:30 J -35074499.06 -35074498.77 -35074498.47 0.0089 0.0021
 Saturn -100742-05-11 08:37 J -35074462.39 -35074462.14 -35074461.89 0.0273 0.0129
 Neptune -100740-02-27 03:35 J -35073804.61 -35073804.35 -35073804.05 0.0089 0.0034
 Neptune -100738-01-22 11:30 J -35073110.04 -35073110.02 -35073109.95 0.0089 0.0088
 Saturn -100728-04-19 03:35 J -35069370.56 -35069370.35 -35069370.11 0.0284 0.0192
 Jupiter -100717-10-08 21:06 J -35065179.92 -35065179.62 -35065179.33 0.0524 0.0040
 Saturn -100714-06-30 15:35 J -35064185.08 -35064184.85 -35064184.61 0.0275 0.0153
 Saturn -100712-06-26 15:49 J -35063457.92 -35063457.84 -35063457.74 0.0272 0.0255
 Uranus -100708-05-27 19:11 J -35062026.97 -35062026.70 -35062026.41 0.0136 0.0025
 Saturn -100698-06-10 04:04 J -35058361.64 -35058361.33 -35058361.03 0.0286 0.0015
 Saturn -100684-08-17 12:13 J -35053179.28 -35053178.99 -35053178.71 0.0274 0.0008
 Saturn -100668-08-01 02:52 J -35047351.62 -35047351.38 -35047351.12 0.0286 0.0165
 Uranus -100664-07-27 12:42 J -35045895.22 -35045894.97 -35045894.70 0.0142 0.0089
 Jupiter -100663-05-30 00:13 J -35045588.67 -35045588.49 -35045588.31 0.0502 0.0362
 Neptune -100661-12-21 11:45 J -35044652.26 -35044652.01 -35044651.72 0.0088 0.0048
 Neptune -100659-11-16 19:11 J -35043957.01 -35043956.70 -35043956.37 0.0088 0.0011
 Neptune -100657-10-12 02:52 J -35043261.54 -35043261.38 -35043261.14 0.0088 0.0070
 Saturn -100654-10-04 03:35 J -35042174.60 -35042174.35 -35042174.10 0.0273 0.0126

Saturn -100640-09-12 01:54 J -35037082.64 -35037082.42 -35037082.19 0.0284 0.0186
 Jupiter -100627-03-03 05:45 J -35032527.49 -35032527.26 -35032527.03 0.0504 0.0242
 Saturn -100626-11-24 03:35 J -35031896.57 -35031896.35 -35031896.10 0.0276 0.0151
 Uranus -100625-02-20 13:25 J -35031808.12 -35031807.94 -35031807.74 0.0137 0.0102
 Saturn -100624-11-20 07:25 J -35031169.26 -35031169.19 -35031169.09 0.0273 0.0260
 Uranus -100623-01-20 09:21 J -35031108.29 -35031108.11 -35031107.92 0.0136 0.0102
 Saturn -100610-11-03 16:04 J -35026073.13 -35026072.83 -35026072.52 0.0284 0.0014
 Saturn -100595-01-10 07:11 J -35020891.48 -35020891.20 -35020890.92 0.0274 0.0010
 Saturn -100580-12-25 01:54 J -35015063.65 -35015063.42 -35015063.16 0.0286 0.0170
 Uranus -100579-03-24 03:21 J -35014974.69 -35014974.36 -35014974.03 0.0142 0.0015
 Neptune -100579-11-17 10:18 J -35014736.33 -35014736.07 -35014735.81 0.0089 0.0048
 Neptune -100577-10-11 20:09 J -35014041.96 -35014041.66 -35014041.35 0.0089 0.0008
 Neptune -100575-09-06 04:33 J -35013347.50 -35013347.31 -35013347.07 0.0089 0.0063
 Saturn -100565-02-27 18:28 J -35009885.97 -35009885.73 -35009885.48 0.0274 0.0130
 Jupiter -100562-01-03 01:40 J -35008845.66 -35008845.43 -35008845.19 0.0524 0.0312
 Saturn -100551-02-05 23:16 J -35004793.76 -35004793.53 -35004793.29 0.0283 0.0180
 Uranus -100541-10-15 05:59 J -35000889.53 -35000889.25 -35000888.96 0.0137 0.0022
 Saturn -100537-04-18 01:40 J -34999608.65 -34999608.43 -34999608.18 0.0276 0.0150
 Saturn -100535-04-15 07:40 J -34998881.25 -34998881.18 -34998881.09 0.0272 0.0260
 Saturn -100521-03-28 19:25 J -34993784.99 -34993784.69 -34993784.38 0.0285 0.0006
 Jupiter -100509-08-23 08:09 J -34989254.41 -34989254.16 -34989253.91 0.0502 0.0139
 Saturn -100507-06-05 21:49 J -34988602.88 -34988602.59 -34988602.31 0.0275 0.0006
 Neptune -100497-08-04 09:21 J -34984890.25 -34984890.11 -34984889.92 0.0088 0.0076
 Neptune -100495-06-30 13:40 J -34984195.24 -34984194.93 -34984194.61 0.0088 0.0018
 Uranus -100495-11-18 13:11 J -34984054.11 -34984053.95 -34984053.74 0.0143 0.0119
 Neptune -100493-05-25 20:23 J -34983499.91 -34983499.65 -34983499.34 0.0088 0.0042
 Saturn -100491-05-21 06:28 J -34982774.46 -34982774.23 -34982773.98 0.0285 0.0179
 Saturn -100477-07-22 23:45 J -34977597.75 -34977597.51 -34977597.26 0.0274 0.0133
 Jupiter -100473-05-27 09:06 J -34976193.22 -34976193.12 -34976193.00 0.0505 0.0451
 Saturn -100463-07-02 07:54 J -34972505.41 -34972505.17 -34972504.93 0.0284 0.0170

Uranus -100456-06-09 23:16 J -34969970.77 -34969970.53 -34969970.26 0.0137 0.0059
 Saturn -100449-09-11 19:54 J -34967319.90 -34967319.67 -34967319.42 0.0276 0.0144
 Saturn -100447-09-09 04:33 J -34966592.36 -34966592.31 -34966592.24 0.0273 0.0266
 Jupiter -100444-06-20 17:45 J -34965576.99 -34965576.76 -34965576.52 0.0526 0.0314
 Saturn -100433-08-23 11:16 J -34961495.34 -34961495.03 -34961494.73 0.0284 0.0010
 Saturn -100419-10-30 12:28 J -34956314.26 -34956313.98 -34956313.70 0.0275 0.0003
 Neptune -100415-07-01 22:47 J -34954973.69 -34954973.55 -34954973.38 0.0089 0.0076
 Neptune -100413-05-26 11:45 J -34954279.30 -34954279.01 -34954278.70 0.0089 0.0020
 Uranus -100412-08-08 20:23 J -34953839.94 -34953839.65 -34953839.32 0.0142 0.0052
 Neptune -100411-04-20 21:21 J -34953584.87 -34953584.61 -34953584.31 0.0089 0.0037
 Saturn -100403-10-14 22:04 J -34950485.80 -34950485.58 -34950485.34 0.0286 0.0192
 Pluto -100390-01-05 13:11 J -34946020.01 -34946019.95 -34946019.80 0.0065 0.0061
 Saturn -100389-12-16 23:59 J -34945308.73 -34945308.50 -34945308.26 0.0274 0.0142
 Saturn -100375-11-27 06:57 J -34940215.46 -34940215.21 -34940214.95 0.0283 0.0150
 Uranus -100373-03-04 20:09 J -34939751.90 -34939751.66 -34939751.39 0.0137 0.0066
 Saturn -100360-02-05 21:06 J -34935030.87 -34935030.62 -34935030.37 0.0276 0.0128
 Jupiter -100355-11-17 02:37 J -34932920.65 -34932920.39 -34932920.13 0.0503 0.0036
 Saturn -100344-01-17 06:42 J -34929206.52 -34929206.22 -34929205.91 0.0285 0.0025
 Neptune -100331-02-11 09:35 J -34924433.35 -34924433.10 -34924432.80 0.0088 0.0047
 Saturn -100330-03-26 14:23 J -34924025.18 -34924024.90 -34924024.62 0.0275 0.0015
 Neptune -100329-01-07 14:09 J -34923738.22 -34923737.91 -34923737.58 0.0088 0.0013
 Neptune -100328-12-02 21:35 J -34923042.77 -34923042.60 -34923042.39 0.0088 0.0072
 Uranus -100327-04-05 06:28 J -34922919.52 -34922919.23 -34922918.90 0.0142 0.0052
 Saturn -100314-03-12 05:16 J -34918195.47 -34918195.28 -34918195.07 0.0286 0.0216
 Pluto -100303-05-21 10:18 J -34914107.23 -34914107.07 -34914106.85 0.0080 0.0065
 Saturn -100302-05-15 22:18 J -34913747.66 -34913747.57 -34913747.47 0.0277 0.0260
 Saturn -100300-05-13 05:01 J -34913019.50 -34913019.29 -34913019.05 0.0274 0.0159
 Jupiter -100290-09-14 17:01 J -34909243.08 -34909242.79 -34909242.50 0.0526 0.0067
 Uranus -100289-10-28 13:40 J -34908833.22 -34908832.93 -34908832.65 0.0137 0.0014
 Saturn -100286-04-23 05:01 J -34907926.56 -34907926.29 -34907926.02 0.0284 0.0133

Saturn -100272-07-03 00:42 J -34902741.72 -34902741.47 -34902741.20 0.0276 0.0115
 Saturn -100256-06-14 14:23 J -34896916.20 -34896915.90 -34896915.60 0.0285 0.0052
 Neptune -100249-01-09 00:42 J -34894516.71 -34894516.47 -34894516.19 0.0089 0.0048
 Neptune -100248-12-03 13:25 J -34893822.24 -34893821.94 -34893821.63 0.0089 0.0010
 Neptune -100246-10-28 22:47 J -34893127.73 -34893127.55 -34893127.32 0.0089 0.0066
 Uranus -100245-12-24 16:33 J -34892704.98 -34892704.81 -34892704.59 0.0141 0.0115
 Saturn -100242-08-21 04:18 J -34891735.59 -34891735.32 -34891735.04 0.0274 0.0037
 Jupiter -100236-05-08 14:37 J -34889648.05 -34889647.89 -34889647.73 0.0500 0.0389
 Saturn -100228-07-27 16:47 J -34886645.82 -34886645.80 -34886645.77 0.0283 0.0281
 Saturn -100226-08-06 05:01 J -34885906.46 -34885906.29 -34885906.11 0.0286 0.0234
 Saturn -100214-10-10 04:18 J -34881458.43 -34881458.32 -34881458.17 0.0277 0.0246
 Saturn -100212-10-07 11:01 J -34880730.25 -34880730.04 -34880729.82 0.0273 0.0173
 Uranus -100206-07-24 05:30 J -34878614.41 -34878614.27 -34878614.08 0.0138 0.0112
 Uranus -100204-06-23 04:47 J -34877914.49 -34877914.30 -34877914.07 0.0137 0.0093
 Jupiter -100200-02-09 19:25 J -34876586.93 -34876586.69 -34876586.46 0.0503 0.0211
 Saturn -100198-09-18 08:37 J -34875636.41 -34875636.14 -34875635.85 0.0284 0.0107
 Saturn -100184-11-27 20:37 J -34870451.90 -34870451.64 -34870451.36 0.0276 0.0090
 Neptune -100168-09-25 06:13 J -34864671.37 -34864671.24 -34864671.04 0.0088 0.0076
 Saturn -100168-11-08 11:45 J -34864627.30 -34864627.01 -34864626.70 0.0285 0.0069
 Neptune -100166-08-21 09:49 J -34863976.40 -34863976.09 -34863975.77 0.0088 0.0017
 Neptune -100164-07-16 14:23 J -34863281.17 -34863280.90 -34863280.60 0.0088 0.0043
 Uranus -100160-08-21 04:04 J -34861784.67 -34861784.33 -34861784.00 0.0142 0.0012
 Saturn -100153-01-15 08:37 J -34859446.41 -34859446.14 -34859445.86 0.0274 0.0052
 Pluto -100144-05-27 21:06 J -34856025.84 -34856025.62 -34856025.34 0.0065 0.0037
 Saturn -100140-12-22 12:42 J -34854356.08 -34854355.97 -34854355.84 0.0283 0.0257
 Saturn -100137-01-01 07:11 J -34853616.31 -34853616.20 -34853616.06 0.0286 0.0261
 Jupiter -100136-12-07 16:33 J -34852910.09 -34852909.81 -34852909.52 0.0526 0.0113
 Saturn -100125-03-06 01:11 J -34849168.60 -34849168.45 -34849168.26 0.0277 0.0221
 Saturn -100123-03-04 05:01 J -34848440.48 -34848440.29 -34848440.09 0.0273 0.0194
 Uranus -100121-03-17 23:30 J -34847695.79 -34847695.52 -34847695.24 0.0137 0.0032

Saturn -100109-02-12 02:52 J -34843347.66 -34843347.38 -34843347.08 0.0284 0.0093
 Saturn -100095-04-23 19:40 J -34838162.94 -34838162.68 -34838162.40 0.0275 0.0078
 Neptune -100086-08-23 13:25 J -34834754.08 -34834753.94 -34834753.76 0.0089 0.0076
 Neptune -100084-07-18 02:52 J -34834059.68 -34834059.38 -34834059.08 0.0089 0.0018
 Neptune -100082-06-12 14:09 J -34833365.17 -34833364.91 -34833364.62 0.0089 0.0039
 Jupiter -100082-08-02 08:52 J -34833314.36 -34833314.13 -34833313.89 0.0501 0.0212
 Saturn -100079-04-05 03:21 J -34832337.65 -34832337.36 -34832337.07 0.0285 0.0092
 Uranus -100075-04-17 19:40 J -34830863.91 -34830863.68 -34830863.41 0.0142 0.0093
 Saturn -100065-06-11 00:28 J -34827156.74 -34827156.48 -34827156.20 0.0274 0.0073
 Pluto -100057-10-10 03:49 J -34824113.64 -34824113.34 -34824113.02 0.0080 0.0027
 Saturn -100051-05-18 04:04 J -34822067.46 -34822067.33 -34822067.18 0.0282 0.0247
 Saturn -100049-05-26 18:28 J -34821327.81 -34821327.73 -34821327.62 0.0286 0.0272
 Jupiter -100046-05-06 06:28 J -34820253.40 -34820253.23 -34820253.06 0.0503 0.0370
 Saturn -100037-07-30 18:28 J -34816879.89 -34816879.73 -34816879.53 0.0277 0.0213
 Uranus -100037-11-10 15:35 J -34816777.11 -34816776.85 -34816776.57 0.0137 0.0047
 Saturn -100035-07-28 22:18 J -34816151.74 -34816151.57 -34816151.38 0.0273 0.0205
 Saturn -100021-07-08 07:54 J -34811058.45 -34811058.17 -34811057.87 0.0284 0.0076
 Saturn -100007-09-18 08:52 J -34805873.41 -34805873.13 -34805872.85 0.0276 0.0059
 Neptune -100002-04-04 04:18 J -34804214.56 -34804214.32 -34804214.02 0.0088 0.0047

100TH MILLENNIUM BCE

This is a list of transits of Mars in the 100th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Neptune -100000-02-27 08:23 J -34803519.46 -34803519.15 -34803518.82 0.0088 0.0014

Neptune -99998-01-23 13:11 J -34802824.10 -34802823.95 -34802823.74 0.0088 0.0074

Uranus -99992-01-06 06:42 J -34800649.48 -34800649.22 -34800648.91 0.0141 0.0072

Saturn -99991-08-29 11:16 J -34800049.31 -34800049.03 -34800048.74 0.0285 0.0098

Jupiter -99981-03-03 01:54 J -34796575.61 -34796575.42 -34796575.22 0.0525 0.0392

Saturn -99977-11-04 12:13 J -34794868.26 -34794867.99 -34794867.72 0.0274 0.0079

Saturn -99963-10-11 23:01 J -34789778.70 -34789778.54 -34789778.37 0.0283 0.0234

Saturn -99961-10-20 14:52 J -34789038.88 -34789038.88 -34789038.84 0.0286 0.0286

Uranus -99954-08-06 08:09 J -34786558.37 -34786558.16 -34786557.90 0.0138 0.0079

Uranus -99952-07-06 07:11 J -34785858.30 -34785858.20 -34785858.07 0.0137 0.0125

Saturn -99949-12-25 02:52 J -34784590.58 -34784590.38 -34784590.18 0.0277 0.0198

Saturn -99947-12-23 05:45 J -34783862.42 -34783862.26 -34783862.09 0.0274 0.0219

Saturn -99933-12-01 14:09 J -34778770.20 -34778769.91 -34778769.61 0.0283 0.0072

Jupiter -99928-10-26 03:06 J -34776980.63 -34776980.37 -34776980.11 0.0501 0.0033

Neptune -99920-03-01 15:49 J -34774297.08 -34774296.84 -34774296.56 0.0089 0.0047

Neptune -99918-01-25 05:16 J -34773602.57 -34773602.28 -34773601.96 0.0089 0.0012

Saturn -99918-02-11 13:11 J -34773585.22 -34773584.95 -34773584.67 0.0276 0.0057

Neptune -99917-12-19 16:04 J -34772907.99 -34772907.83 -34772907.61 0.0089 0.0069

Uranus -99908-09-02 20:23 J -34769728.97 -34769728.65 -34769728.31 0.0142 0.0032

Saturn -99902-01-22 21:06 J -34767760.90 -34767760.62 -34767760.34 0.0285 0.0107

Pluto -99898-10-18 01:54 J -34766031.72 -34766031.42 -34766031.11 0.0065 0.0003

Saturn -99888-03-31 13:54 J -34762579.19 -34762578.92 -34762578.66 0.0275 0.0089

Saturn -99874-03-07 04:04 J -34757490.48 -34757490.33 -34757490.15 0.0282 0.0234

Saturn -99872-03-15 12:57 J -34756750.98 -34756750.96 -34756750.91 0.0286 0.0284

Uranus -99869-03-31 04:33 J -34755639.60 -34755639.31 -34755639.02 0.0138 0.0003

Jupiter -99863-08-20 05:45 J -34753306.53 -34753306.26 -34753305.99 0.0528 0.0212

Saturn -99860-05-19 23:01 J -34752302.73 -34752302.54 -34752302.33 0.0277 0.0200

Saturn -99858-05-18 05:30 J -34751574.41 -34751574.27 -34751574.08 0.0273 0.0220

Saturn -99844-04-26 16:33 J -34746482.10 -34746481.81 -34746481.51 0.0284 0.0066
 Neptune -99839-11-16 02:52 J -34744452.52 -34744452.38 -34744452.19 0.0088 0.0076
 Neptune -99837-10-11 04:33 J -34743757.61 -34743757.31 -34743756.98 0.0088 0.0017
 Neptune -99835-09-06 08:23 J -34743062.41 -34743062.15 -34743061.85 0.0088 0.0045
 Saturn -99830-07-08 08:37 J -34741296.42 -34741296.14 -34741295.86 0.0276 0.0050
 Uranus -99825-05-24 08:23 J -34739514.24 -34739514.15 -34739514.00 0.0141 0.0131
 Uranus -99823-04-30 08:37 J -34738808.21 -34738808.14 -34738808.01 0.0142 0.0135
 Saturn -99814-06-17 22:33 J -34735472.85 -34735472.56 -34735472.28 0.0284 0.0105
 Pluto -99810-03-01 08:23 J -34734120.41 -34734120.15 -34734119.86 0.0080 0.0043
 Jupiter -99809-04-17 04:04 J -34733707.46 -34733707.33 -34733707.18 0.0499 0.0414
 Saturn -99800-08-24 09:21 J -34730291.37 -34730291.11 -34730290.83 0.0275 0.0087
 Uranus -99787-12-24 17:30 J -34725420.89 -34725420.77 -34725420.64 0.0138 0.0124
 Saturn -99786-07-31 03:21 J -34725202.53 -34725202.36 -34725202.18 0.0282 0.0228
 Uranus -99785-11-23 19:25 J -34724720.91 -34724720.69 -34724720.45 0.0137 0.0081
 Jupiter -99773-01-20 08:52 J -34720646.37 -34720646.13 -34720645.89 0.0501 0.0186
 Saturn -99772-10-13 13:40 J -34720014.12 -34720013.93 -34720013.72 0.0277 0.0197
 Saturn -99770-10-11 23:30 J -34719285.67 -34719285.52 -34719285.35 0.0274 0.0224
 Neptune -99757-10-14 04:04 J -34714534.48 -34714534.33 -34714534.15 0.0089 0.0075
 Saturn -99756-09-20 00:13 J -34714193.79 -34714193.49 -34714193.20 0.0283 0.0066
 Neptune -99755-09-08 19:25 J -34713839.98 -34713839.69 -34713839.37 0.0089 0.0017
 Neptune -99753-08-03 07:25 J -34713145.44 -34713145.19 -34713144.90 0.0089 0.0042
 Saturn -99742-12-01 01:40 J -34709008.70 -34709008.43 -34709008.15 0.0276 0.0053
 Uranus -99740-01-18 18:42 J -34708594.04 -34708593.72 -34708593.39 0.0141 0.0030
 Saturn -99726-11-10 19:11 J -34703184.98 -34703184.70 -34703184.41 0.0284 0.0109
 Saturn -99711-01-17 23:59 J -34698002.76 -34698002.50 -34698002.23 0.0275 0.0090
 Jupiter -99709-11-13 11:44 J -34696972.30 -34696972.01 -34696971.72 0.0528 0.0067
 Uranus -99702-08-19 10:32 J -34694502.32 -34694502.06 -34694501.77 0.0138 0.0044
 Saturn -99698-12-24 17:44 J -34692913.92 -34692913.76 -34692913.57 0.0281 0.0225
 Saturn -99683-03-08 06:42 J -34687726.41 -34687726.22 -34687726.01 0.0278 0.0198
 Saturn -99681-03-05 20:08 J -34686997.82 -34686997.66 -34686997.50 0.0274 0.0223

Neptune -99673-05-25 02:23 J -34683995.65 -34683995.40 -34683995.11 0.0088 0.0046
 Neptune -99671-04-20 04:18 J -34683300.63 -34683300.32 -34683300.00 0.0088 0.0015
 Neptune -99669-03-15 08:37 J -34682605.29 -34682605.14 -34682604.96 0.0088 0.0076
 Saturn -99667-02-12 21:20 J -34681905.90 -34681905.61 -34681905.31 0.0283 0.0061
 Uranus -99656-09-15 04:32 J -34677673.59 -34677673.31 -34677673.01 0.0141 0.0072
 Jupiter -99655-07-12 13:11 J -34677373.19 -34677372.95 -34677372.71 0.0499 0.0185
 Saturn -99653-04-25 13:11 J -34676720.23 -34676719.95 -34676719.67 0.0277 0.0051
 Pluto -99651-03-08 17:01 J -34676037.95 -34676037.79 -34676037.62 0.0065 0.0054
 Saturn -99637-04-05 12:56 J -34670896.23 -34670895.96 -34670895.67 0.0283 0.0113
 Saturn -99623-06-12 21:35 J -34665714.86 -34665714.60 -34665714.33 0.0275 0.0091
 Jupiter -99619-04-15 16:04 J -34664311.97 -34664311.83 -34664311.67 0.0501 0.0407
 Uranus -99617-04-13 00:42 J -34663583.74 -34663583.47 -34663583.18 0.0138 0.0034
 Saturn -99609-05-18 19:11 J -34660625.88 -34660625.70 -34660625.51 0.0282 0.0218
 Saturn -99595-08-01 17:59 J -34655437.95 -34655437.75 -34655437.54 0.0278 0.0195
 Saturn -99593-07-30 10:47 J -34654709.19 -34654709.05 -34654708.88 0.0275 0.0227
 Neptune -99591-04-23 08:08 J -34654077.42 -34654077.16 -34654076.88 0.0089 0.0044
 Neptune -99589-03-17 23:44 J -34653382.81 -34653382.51 -34653382.20 0.0089 0.0015
 Neptune -99587-02-10 12:13 J -34652688.15 -34652687.99 -34652687.81 0.0089 0.0073
 Saturn -99579-07-10 01:25 J -34649616.73 -34649616.44 -34649616.14 0.0282 0.0051
 Uranus -99573-06-05 16:32 J -34647459.05 -34647458.81 -34647458.54 0.0141 0.0091
 Saturn -99565-09-18 17:30 J -34644432.04 -34644431.77 -34644431.48 0.0277 0.0046
 Jupiter -99554-02-08 03:06 J -34640637.57 -34640637.37 -34640637.16 0.0527 0.0368
 Saturn -99549-08-29 18:42 J -34638608.00 -34638607.72 -34638607.45 0.0284 0.0122
 Saturn -99535-11-06 14:23 J -34633426.16 -34633425.90 -34633425.63 0.0276 0.0097
 Uranus -99534-01-06 12:28 J -34633365.19 -34633364.98 -34633364.77 0.0138 0.0095
 Uranus -99533-12-06 14:08 J -34632665.06 -34632664.91 -34632664.72 0.0137 0.0110
 Saturn -99521-10-13 08:08 J -34628336.36 -34628336.16 -34628335.94 0.0281 0.0202
 Neptune -99509-01-07 03:06 J -34624233.50 -34624233.37 -34624233.16 0.0088 0.0075
 Neptune -99508-12-02 04:18 J -34623538.62 -34623538.32 -34623537.99 0.0088 0.0015
 Saturn -99507-12-26 07:11 J -34623149.41 -34623149.20 -34623148.99 0.0278 0.0184

Neptune -99506-10-28 06:42 J -34622843.49 -34622843.22 -34622842.95 0.0088 0.0047
 Saturn -99505-12-23 22:32 J -34622420.70 -34622420.56 -34622420.41 0.0275 0.0234
 Jupiter -99501-10-05 13:11 J -34621039.21 -34621038.95 -34621038.69 0.0499 0.0010
 Saturn -99491-12-03 12:42 J -34617328.26 -34617327.97 -34617327.66 0.0283 0.0039
 Uranus -99488-01-31 01:54 J -34616538.75 -34616538.42 -34616538.09 0.0141 0.0009
 Saturn -99476-02-12 12:13 J -34612143.26 -34612142.99 -34612142.70 0.0277 0.0038
 Saturn -99460-01-24 15:20 J -34606318.11 -34606317.86 -34606317.58 0.0283 0.0143
 Uranus -99450-09-01 01:11 J -34602446.73 -34602446.45 -34602446.16 0.0138 0.0018
 Saturn -99446-04-02 09:49 J -34601137.34 -34601137.09 -34601136.82 0.0276 0.0110
 Jupiter -99436-07-26 17:01 J -34597369.03 -34597368.79 -34597368.54 0.0530 0.0282
 Saturn -99432-03-09 00:13 J -34596047.71 -34596047.49 -34596047.27 0.0282 0.0188
 Neptune -99428-12-05 21:49 J -34594314.73 -34594314.59 -34594314.37 0.0089 0.0073
 Neptune -99426-10-31 14:08 J -34593620.22 -34593619.91 -34593619.60 0.0089 0.0012
 Neptune -99424-09-25 04:18 J -34592925.57 -34592925.32 -34592925.04 0.0089 0.0047
 Saturn -99418-05-22 03:49 J -34590860.56 -34590860.34 -34590860.11 0.0278 0.0173
 Saturn -99416-05-19 20:37 J -34590131.74 -34590131.64 -34590131.49 0.0275 0.0245
 Uranus -99404-09-27 10:18 J -34585618.27 -34585618.07 -34585617.84 0.0141 0.0108
 Saturn -99402-04-30 14:23 J -34585038.21 -34585037.90 -34585037.60 0.0283 0.0015
 Saturn -99388-07-09 17:16 J -34579854.07 -34579853.78 -34579853.50 0.0277 0.0019
 Jupiter -99382-03-28 04:04 J -34577766.48 -34577766.33 -34577766.18 0.0497 0.0401
 Saturn -99372-06-20 11:16 J -34574029.27 -34574029.03 -34574028.76 0.0284 0.0159
 Uranus -99365-04-25 16:32 J -34571528.05 -34571527.81 -34571527.53 0.0138 0.0060
 Saturn -99358-08-27 11:16 J -34568848.28 -34568848.03 -34568847.77 0.0275 0.0122
 Jupiter -99347-12-30 07:54 J -34564705.41 -34564705.17 -34564704.93 0.0499 0.0194
 Neptune -99344-07-16 06:28 J -34563776.49 -34563776.23 -34563775.93 0.0088 0.0043
 Saturn -99344-08-04 01:40 J -34563757.66 -34563757.43 -34563757.17 0.0282 0.0164
 Neptune -99342-06-11 07:40 J -34563081.48 -34563081.18 -34563080.86 0.0088 0.0019
 Neptune -99340-05-06 09:35 J -34562386.19 -34562386.10 -34562385.93 0.0088 0.0081
 Saturn -99330-10-16 18:13 J -34558570.97 -34558570.74 -34558570.49 0.0278 0.0151
 Saturn -99328-10-14 06:42 J -34557842.28 -34557842.22 -34557842.12 0.0275 0.0263

Uranus -99321-06-17 21:06 J -34555403.92 -34555403.62 -34555403.30 0.0141 0.0054
 Saturn -99314-09-24 11:59 J -34552749.30 -34552749.00 -34552748.69 0.0283 0.0005
 Saturn -99300-12-03 20:52 J -34547564.91 -34547564.63 -34547564.34 0.0276 0.0005
 Saturn -99284-11-15 16:18 J -34541739.04 -34541738.82 -34541738.57 0.0284 0.0186
 Uranus -99282-01-19 01:40 J -34541309.67 -34541309.43 -34541309.17 0.0139 0.0069
 Jupiter -99282-10-19 14:52 J -34541036.17 -34541035.88 -34541035.60 0.0530 0.0106
 Uranus -99281-12-19 04:32 J -34540609.36 -34540609.31 -34540609.24 0.0137 0.0134
 Saturn -99269-01-22 04:47 J -34536558.54 -34536558.30 -34536558.06 0.0275 0.0144
 Neptune -99262-06-15 05:30 J -34533857.53 -34533857.27 -34533856.97 0.0089 0.0040
 Neptune -99260-05-09 20:37 J -34533162.92 -34533162.64 -34533162.32 0.0089 0.0021
 Neptune -99258-04-04 10:18 J -34532468.18 -34532468.07 -34532467.91 0.0089 0.0080
 Saturn -99256-12-28 23:01 J -34531468.79 -34531468.54 -34531468.28 0.0282 0.0149
 Saturn -99241-03-11 21:35 J -34526281.84 -34526281.60 -34526281.34 0.0277 0.0136
 Uranus -99236-02-12 02:08 J -34524483.72 -34524483.41 -34524483.09 0.0141 0.0043
 Jupiter -99228-06-20 19:25 J -34521432.92 -34521432.69 -34521432.46 0.0497 0.0227
 Saturn -99225-02-19 10:32 J -34520459.37 -34520459.06 -34520458.76 0.0283 0.0027
 Saturn -99211-04-30 16:32 J -34515275.09 -34515274.81 -34515274.53 0.0276 0.0019
 Uranus -99198-09-13 16:18 J -34510391.10 -34510390.82 -34510390.53 0.0138 0.0008
 Saturn -99195-04-11 10:47 J -34509450.26 -34509450.05 -34509449.82 0.0284 0.0199
 Jupiter -99192-03-24 16:32 J -34508371.99 -34508371.81 -34508371.62 0.0500 0.0348
 Saturn -99183-06-18 11:44 J -34504999.05 -34504999.01 -34504998.94 0.0278 0.0273
 Saturn -99181-06-17 04:04 J -34504269.55 -34504269.33 -34504269.09 0.0275 0.0157
 Neptune -99180-02-27 13:40 J -34504014.11 -34504013.93 -34504013.72 0.0088 0.0070
 Neptune -99178-01-23 11:30 J -34503319.32 -34503319.02 -34503318.69 0.0088 0.0010
 Neptune -99177-12-18 12:28 J -34502624.21 -34502623.98 -34502623.70 0.0088 0.0053
 Saturn -99167-05-25 13:11 J -34499179.21 -34499178.95 -34499178.68 0.0282 0.0127
 Pluto -99157-11-07 02:08 J -34495360.71 -34495360.41 -34495360.10 0.0065 0.0006
 Uranus -99154-11-03 12:56 J -34494269.12 -34494268.96 -34494268.76 0.0140 0.0116
 Saturn -99153-08-06 17:59 J -34493992.01 -34493991.75 -34493991.49 0.0277 0.0114
 Uranus -99152-10-09 07:11 J -34493563.20 -34493563.20 -34493563.15 0.0141 0.0141

Saturn -99137-07-15 02:37 J -34488170.68 -34488170.39 -34488170.08 0.0283 0.0038
 Jupiter -99127-01-12 16:47 J -34484702.08 -34484701.80 -34484701.52 0.0529 0.0156
 Saturn -99123-09-24 12:13 J -34482986.27 -34482985.99 -34482985.70 0.0276 0.0030
 Uranus -99115-06-07 19:54 J -34480172.78 -34480172.67 -34480172.52 0.0139 0.0123
 Uranus -99113-05-08 02:37 J -34479472.61 -34479472.39 -34479472.15 0.0138 0.0082
 Saturn -99109-08-29 01:25 J -34477898.48 -34477898.44 -34477898.35 0.0281 0.0274
 Saturn -99107-09-05 19:11 J -34477160.88 -34477160.70 -34477160.49 0.0284 0.0219
 Neptune -99098-01-27 20:08 J -34474094.84 -34474094.66 -34474094.43 0.0089 0.0068
 Neptune -99097-12-22 15:06 J -34473400.17 -34473399.87 -34473399.55 0.0089 0.0007
 Saturn -99095-11-13 05:44 J -34472709.37 -34472709.26 -34472709.13 0.0279 0.0254
 Neptune -99095-11-17 05:59 J -34472705.48 -34472705.25 -34472704.99 0.0089 0.0054
 Saturn -99093-11-11 19:40 J -34471979.89 -34471979.68 -34471979.45 0.0275 0.0175
 Saturn -99079-10-19 03:20 J -34466890.63 -34466890.36 -34466890.08 0.0281 0.0120
 Jupiter -99074-09-14 07:40 J -34465099.44 -34465099.18 -34465098.92 0.0498 0.0062
 Pluto -99069-03-20 04:04 J -34463450.57 -34463450.33 -34463450.03 0.0080 0.0045
 Uranus -99069-06-29 15:20 J -34463349.18 -34463348.86 -34463348.53 0.0140 0.0022
 Saturn -99065-12-31 07:25 J -34461703.45 -34461703.19 -34461702.92 0.0277 0.0107
 Saturn -99049-12-09 00:28 J -34455881.77 -34455881.48 -34455881.18 0.0283 0.0052
 Saturn -99034-02-18 23:30 J -34450696.79 -34450696.52 -34450696.23 0.0277 0.0045
 Uranus -99030-01-31 09:20 J -34449254.37 -34449254.11 -34449253.83 0.0139 0.0048
 Saturn -99020-01-22 14:08 J -34445609.97 -34445609.91 -34445609.81 0.0280 0.0269
 Saturn -99018-01-30 01:54 J -34444872.60 -34444872.42 -34444872.22 0.0284 0.0222
 Neptune -99015-09-06 21:35 J -34443556.87 -34443556.60 -34443556.29 0.0088 0.0036
 Neptune -99013-08-01 19:54 J -34442861.96 -34442861.67 -34442861.35 0.0088 0.0026
 Neptune -99011-06-27 20:52 J -34442166.65 -34442166.63 -34442166.57 0.0088 0.0088
 Jupiter -99009-06-30 15:49 J -34441432.96 -34441432.84 -34441432.72 0.0532 0.0478
 Saturn -99006-04-08 09:49 J -34440421.21 -34440421.09 -34440420.97 0.0279 0.0251
 Saturn -99004-04-07 03:35 J -34439691.56 -34439691.35 -34439691.14 0.0275 0.0180

99TH MILLENNIUM BCE

This is a list of transits of Mars in the 99th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-98990-03-14	15:35 J	-34434602.13	-34434601.85	-34434601.57	0.0282	0.0109	
Uranus	-98984-02-23	19:11 J	-34432428.98	-34432428.70	-34432428.41	0.0141	0.0073	
Saturn	-98976-05-27	11:01 J	-34429414.30	-34429414.04	-34429413.76	0.0278	0.0097	
Jupiter	-98973-04-07	13:40 J	-34428368.12	-34428367.93	-34428367.75	0.0530	0.0407	
Saturn	-98960-05-04	06:56 J	-34423593.50	-34423593.21	-34423592.91	0.0282	0.0054	
Jupiter	-98955-03-06	05:01 J	-34421826.39	-34421826.29	-34421826.18	0.0496	0.0451	
Saturn	-98946-07-14	23:30 J	-34418408.80	-34418408.52	-34418408.24	0.0277	0.0045	
Uranus	-98946-09-25	18:42 J	-34418336.00	-34418335.72	-34418335.44	0.0138	0.0026	
Neptune	-98933-08-06	06:56 J	-34413637.47	-34413637.21	-34413636.90	0.0089	0.0034	
Saturn	-98932-06-17	20:23 J	-34413321.73	-34413321.65	-34413321.52	0.0280	0.0262	
Neptune	-98931-07-02	00:56 J	-34412942.74	-34412942.46	-34412942.16	0.0089	0.0028	
Saturn	-98930-06-25	07:11 J	-34412584.38	-34412584.20	-34412584.02	0.0284	0.0228	
Neptune	-98929-05-26	15:49 J	-34412247.84	-34412247.84	-34412247.81	0.0089	0.0089	
Jupiter	-98920-12-08	08:52 J	-34408765.38	-34408765.13	-34408764.88	0.0497	0.0145	
Saturn	-98918-09-02	06:13 J	-34408132.37	-34408132.24	-34408132.10	0.0279	0.0246	
Saturn	-98916-09-01	02:08 J	-34407402.61	-34407402.41	-34407402.20	0.0276	0.0187	
Saturn	-98902-08-08	01:11 J	-34402313.73	-34402313.45	-34402313.17	0.0281	0.0108	
Uranus	-98902-11-15	05:16 J	-34402214.53	-34402214.28	-34402214.01	0.0140	0.0087	
Saturn	-98888-10-20	05:44 J	-34397126.52	-34397126.26	-34397125.99	0.0278	0.0098	
Saturn	-98872-09-27	07:25 J	-34391305.48	-34391305.19	-34391304.89	0.0283	0.0059	

Uranus -98863-06-19 23:16 J -34388117.70 -34388117.53 -34388117.33 0.0139 0.0105
 Uranus -98861-05-20 05:16 J -34387417.46 -34387417.28 -34387417.07 0.0138 0.0099
 Saturn -98858-12-08 16:47 J -34386120.08 -34386119.80 -34386119.52 0.0277 0.0050
 Jupiter -98855-09-24 18:42 J -34385098.99 -34385098.72 -34385098.46 0.0532 0.0208
 Neptune -98851-04-21 09:20 J -34383794.31 -34383794.11 -34383793.86 0.0088 0.0063
 Neptune -98849-03-16 06:56 J -34383099.53 -34383099.21 -34383098.89 0.0088 0.0001
 Neptune -98847-02-09 05:01 J -34382404.49 -34382404.29 -34382404.03 0.0088 0.0062
 Saturn -98844-11-11 10:32 J -34381033.16 -34381033.06 -34381032.93 0.0279 0.0258
 Saturn -98842-11-18 13:54 J -34380296.08 -34380295.92 -34380295.72 0.0283 0.0228
 Saturn -98829-01-25 21:20 J -34375844.73 -34375844.61 -34375844.46 0.0279 0.0247
 Saturn -98827-01-24 20:37 J -34375114.83 -34375114.64 -34375114.42 0.0276 0.0186
 Uranus -98817-07-11 06:56 J -34371294.54 -34371294.21 -34371293.88 0.0140 0.0005
 Saturn -98814-12-31 23:16 J -34370025.81 -34370025.53 -34370025.25 0.0281 0.0104
 Jupiter -98801-05-30 12:42 J -34365492.20 -34365491.97 -34365491.73 0.0496 0.0222
 Saturn -98799-03-15 17:01 J -34364838.05 -34364837.79 -34364837.51 0.0278 0.0097
 Saturn -98783-02-20 20:23 J -34359016.95 -34359016.65 -34359016.36 0.0282 0.0061
 Uranus -98778-02-12 11:44 J -34357199.28 -34357199.01 -34357198.72 0.0139 0.0030
 Neptune -98769-03-21 00:42 J -34353874.67 -34353874.47 -34353874.22 0.0089 0.0061
 Saturn -98769-05-02 09:49 J -34353832.37 -34353832.09 -34353831.81 0.0277 0.0049
 Neptune -98767-02-13 20:37 J -34353179.95 -34353179.64 -34353179.33 0.0089 0.0002
 Neptune -98765-01-09 14:08 J -34352485.12 -34352484.91 -34352484.69 0.0089 0.0063
 Jupiter -98765-03-03 18:28 J -34352430.90 -34352430.73 -34352430.55 0.0498 0.0369
 Saturn -98755-04-06 08:23 J -34348745.27 -34348745.15 -34348745.03 0.0280 0.0253
 Saturn -98753-04-12 10:32 J -34348008.23 -34348008.06 -34348007.88 0.0283 0.0231
 Saturn -98741-06-20 04:47 J -34343556.41 -34343556.30 -34343556.14 0.0280 0.0247
 Saturn -98739-06-20 08:52 J -34342826.32 -34342826.13 -34342825.91 0.0276 0.0189
 Uranus -98732-03-07 07:11 J -34340374.42 -34340374.20 -34340373.95 0.0141 0.0098
 Saturn -98725-05-26 19:40 J -34337736.96 -34337736.68 -34337736.40 0.0280 0.0097
 Saturn -98711-08-08 13:54 J -34332550.19 -34332549.92 -34332549.65 0.0278 0.0095
 Jupiter -98701-12-19 16:32 J -34328764.09 -34328763.81 -34328763.52 0.0531 0.0114

Saturn -98695-07-16 18:56 J -34326729.00 -34326728.71 -34326728.41 0.0282 0.0066
 Uranus -98694-10-07 23:30 J -34326280.78 -34326280.52 -34326280.24 0.0138 0.0044
 Neptune -98686-10-29 21:06 J -34323336.90 -34323336.62 -34323336.30 0.0088 0.0027
 Neptune -98684-09-23 18:42 J -34322641.99 -34322641.72 -34322641.41 0.0088 0.0036
 Saturn -98681-09-25 22:04 J -34321543.86 -34321543.58 -34321543.30 0.0278 0.0052
 Saturn -98667-08-31 11:44 J -34316456.15 -34316456.01 -34316455.85 0.0279 0.0242
 Saturn -98665-09-06 11:44 J -34315719.16 -34315719.01 -34315718.84 0.0282 0.0239
 Pluto -98662-07-08 07:11 J -34314684.47 -34314684.20 -34314683.88 0.0065 0.0019
 Saturn -98653-11-13 08:23 J -34311268.28 -34311268.15 -34311267.99 0.0280 0.0240
 Saturn -98651-11-13 12:13 J -34310538.19 -34310537.99 -34310537.79 0.0276 0.0192
 Uranus -98650-11-26 15:35 J -34310160.14 -34310159.85 -34310159.54 0.0140 0.0062
 Jupiter -98647-08-24 18:28 J -34309157.99 -34309157.73 -34309157.47 0.0496 0.0013
 Saturn -98637-10-19 23:16 J -34305448.81 -34305448.53 -34305448.24 0.0281 0.0089
 Saturn -98622-01-02 02:37 J -34300261.66 -34300261.39 -34300261.11 0.0279 0.0090
 Uranus -98611-07-02 01:54 J -34296062.63 -34296062.42 -34296062.18 0.0139 0.0086
 Uranus -98609-06-01 09:20 J -34295362.25 -34295362.11 -34295361.94 0.0138 0.0116
 Saturn -98607-12-11 05:44 J -34294439.55 -34294439.26 -34294438.97 0.0281 0.0081
 Neptune -98606-11-03 18:56 J -34294111.73 -34294111.71 -34294111.67 0.0089 0.0088
 Neptune -98604-09-28 16:04 J -34293417.12 -34293416.83 -34293416.52 0.0089 0.0025
 Neptune -98602-08-24 09:49 J -34292722.35 -34292722.09 -34292721.78 0.0089 0.0038
 Saturn -98592-02-19 09:06 J -34289255.40 -34289255.12 -34289254.84 0.0277 0.0060
 Jupiter -98582-06-07 16:47 J -34285494.84 -34285494.80 -34285494.75 0.0534 0.0526
 Saturn -98578-01-24 19:54 J -34284167.83 -34284167.67 -34284167.50 0.0280 0.0232
 Saturn -98576-01-30 20:08 J -34283430.80 -34283430.66 -34283430.51 0.0283 0.0249
 Pluto -98575-11-17 08:08 J -34282775.21 -34282775.16 -34282775.05 0.0080 0.0077
 Uranus -98565-07-22 12:28 J -34279240.30 -34279239.98 -34279239.64 0.0140 0.0028
 Saturn -98564-04-08 23:01 J -34278979.69 -34278979.54 -34278979.37 0.0279 0.0232
 Saturn -98562-04-09 05:44 J -34278249.44 -34278249.26 -34278249.06 0.0277 0.0200
 Saturn -98548-03-16 15:49 J -34273159.12 -34273158.84 -34273158.54 0.0281 0.0070
 Jupiter -98546-03-15 07:25 J -34272430.40 -34272430.19 -34272429.96 0.0532 0.0345

Saturn -98534-05-28 22:18 J -34267972.85 -34267972.57 -34267972.30 0.0278 0.0075
 Jupiter -98528-02-13 13:40 J -34265885.07 -34265884.93 -34265884.78 0.0494 0.0408
 Uranus -98526-02-24 14:08 J -34265144.20 -34265143.91 -34265143.62 0.0139 0.0013
 Neptune -98522-06-13 13:25 J -34263574.16 -34263573.94 -34263573.66 0.0088 0.0054
 Neptune -98520-05-08 09:20 J -34262879.42 -34262879.11 -34262878.79 0.0088 0.0010
 Neptune -98518-04-03 07:11 J -34262184.35 -34262184.20 -34262183.99 0.0088 0.0073
 Saturn -98518-05-06 18:42 J -34262151.00 -34262150.72 -34262150.43 0.0282 0.0094
 Saturn -98504-07-16 04:47 J -34256966.57 -34256966.30 -34256966.02 0.0277 0.0071
 Jupiter -98493-11-17 18:42 J -34252823.95 -34252823.72 -34252823.47 0.0496 0.0189
 Saturn -98490-06-21 16:18 J -34251878.01 -34251877.82 -34251877.62 0.0280 0.0210
 Saturn -98488-06-27 20:23 J -34251140.71 -34251140.65 -34251140.56 0.0283 0.0273
 Uranus -98482-04-12 22:18 J -34249025.66 -34249025.57 -34249025.41 0.0139 0.0130
 Uranus -98480-03-18 10:47 J -34248320.22 -34248320.05 -34248319.86 0.0141 0.0118
 Saturn -98476-09-03 06:13 J -34246690.42 -34246690.24 -34246690.04 0.0279 0.0211
 Saturn -98474-09-03 08:37 J -34245960.30 -34245960.14 -34245959.95 0.0276 0.0216
 Saturn -98460-08-10 09:35 J -34240870.39 -34240870.10 -34240869.80 0.0281 0.0055
 Saturn -98446-10-22 22:32 J -34235683.84 -34235683.56 -34235683.28 0.0278 0.0061
 Uranus -98442-10-19 22:04 J -34234225.83 -34234225.58 -34234225.31 0.0138 0.0059
 Neptune -98440-05-13 10:32 J -34233654.29 -34233654.06 -34233653.78 0.0089 0.0052
 Neptune -98438-04-08 08:08 J -34232959.46 -34232959.16 -34232958.84 0.0089 0.0012
 Neptune -98436-03-03 01:25 J -34232264.58 -34232264.44 -34232264.24 0.0089 0.0075
 Saturn -98430-10-01 21:20 J -34229860.87 -34229860.61 -34229860.32 0.0282 0.0120
 Jupiter -98428-08-30 19:25 J -34229161.91 -34229161.69 -34229161.47 0.0534 0.0338
 Saturn -98416-12-10 17:30 J -34224677.04 -34224676.77 -34224676.50 0.0277 0.0092
 Saturn -98402-11-15 12:56 J -34219589.15 -34219588.96 -34219588.73 0.0280 0.0196
 Uranus -98398-12-07 17:44 J -34218106.07 -34218105.76 -34218105.44 0.0140 0.0042
 Saturn -98387-01-28 09:20 J -34214401.31 -34214401.11 -34214400.90 0.0279 0.0197
 Saturn -98385-01-28 11:30 J -34213671.16 -34213671.02 -34213670.85 0.0276 0.0230
 Jupiter -98374-05-10 07:25 J -34209551.42 -34209551.19 -34209550.96 0.0494 0.0226
 Saturn -98371-01-05 10:18 J -34208580.37 -34208580.07 -34208579.77 0.0281 0.0029

Uranus -98359-07-13 23:44 J -34204007.75 -34204007.51 -34204007.26 0.0139 0.0072
 Neptune -98358-01-26 08:52 J -34203811.25 -34203811.13 -34203810.97 0.0088 0.0079
 Saturn -98357-03-18 17:16 J -34203394.06 -34203393.78 -34203393.50 0.0278 0.0038
 Uranus -98357-06-13 05:59 J -34203307.34 -34203307.25 -34203307.14 0.0138 0.0128
 Neptune -98357-12-21 03:20 J -34203116.66 -34203116.36 -34203116.05 0.0088 0.0017
 Neptune -98355-11-15 23:01 J -34202421.79 -34202421.54 -34202421.25 0.0088 0.0047
 Saturn -98341-02-25 19:25 J -34197571.95 -34197571.69 -34197571.42 0.0282 0.0135
 Jupiter -98338-02-11 05:44 J -34196490.45 -34196490.26 -34196490.07 0.0496 0.0347
 Saturn -98327-05-06 18:42 J -34192387.97 -34192387.72 -34192387.45 0.0277 0.0106
 Saturn -98313-04-11 09:06 J -34187299.34 -34187299.12 -34187298.88 0.0280 0.0172
 Uranus -98313-08-02 13:25 J -34187186.24 -34187185.94 -34187185.61 0.0140 0.0047
 Saturn -98299-06-25 07:40 J -34182111.40 -34182111.18 -34182110.94 0.0279 0.0173
 Saturn -98297-06-24 05:30 J -34181381.37 -34181381.27 -34181381.13 0.0276 0.0251
 Saturn -98283-06-01 08:08 J -34176291.46 -34176291.16 -34176290.86 0.0281 0.0016
 Neptune -98277-12-26 05:59 J -34173891.37 -34173891.25 -34173891.09 0.0089 0.0079
 Neptune -98275-11-21 03:49 J -34173196.63 -34173196.34 -34173196.01 0.0089 0.0015
 Uranus -98274-03-08 10:18 J -34173089.36 -34173089.07 -34173088.78 0.0139 0.0000
 Jupiter -98274-11-24 19:11 J -34172827.98 -34172827.70 -34172827.42 0.0533 0.0085
 Neptune -98273-10-16 00:13 J -34172501.73 -34172501.49 -34172501.21 0.0089 0.0049
 Saturn -98269-08-12 17:30 J -34171105.05 -34171104.77 -34171104.48 0.0278 0.0025
 Saturn -98253-07-22 13:40 J -34165282.17 -34165281.93 -34165281.67 0.0282 0.0158
 Saturn -98239-10-01 15:06 J -34160098.11 -34160097.87 -34160097.61 0.0277 0.0127
 Uranus -98230-04-23 23:16 J -34156971.71 -34156971.53 -34156971.31 0.0140 0.0111
 Uranus -98228-03-29 10:18 J -34156266.13 -34156266.07 -34156265.96 0.0141 0.0136
 Saturn -98225-09-05 06:13 J -34155010.47 -34155010.24 -34155009.99 0.0280 0.0162
 Jupiter -98220-08-02 16:47 J -34153218.06 -34153217.80 -34153217.53 0.0494 0.0069
 Saturn -98211-11-19 04:04 J -34149822.56 -34149822.33 -34149822.09 0.0279 0.0163
 Saturn -98209-11-18 02:37 J -34149092.46 -34149092.39 -34149092.29 0.0276 0.0261
 Saturn -98195-10-26 16:47 J -34144002.10 -34144001.80 -34144001.50 0.0281 0.0004
 Neptune -98193-08-04 22:32 J -34143353.82 -34143353.56 -34143353.27 0.0088 0.0043

Uranus -98192-11-30 10:32 J -34142871.14 -34142871.06 -34142870.94 0.0139 0.0131
 Neptune -98191-06-30 17:44 J -34142659.06 -34142658.76 -34142658.45 0.0088 0.0021
 Uranus -98190-10-31 20:52 J -34142170.87 -34142170.63 -34142170.38 0.0138 0.0072
 Neptune -98189-05-25 13:25 J -34141964.00 -34141963.94 -34141963.82 0.0088 0.0085
 Saturn -98180-01-07 12:56 J -34138815.24 -34138814.96 -34138814.67 0.0278 0.0008
 Saturn -98165-12-16 05:01 J -34132993.52 -34132993.29 -34132993.03 0.0282 0.0166
 Saturn -98150-02-25 06:56 J -34127809.45 -34127809.21 -34127808.96 0.0277 0.0135
 Uranus -98146-12-18 16:47 J -34126052.12 -34126051.80 -34126051.46 0.0140 0.0024
 Saturn -98136-01-30 04:47 J -34122721.54 -34122721.30 -34122721.04 0.0280 0.0148
 Saturn -98122-04-15 17:44 J -34117533.00 -34117532.76 -34117532.51 0.0279 0.0149
 Saturn -98120-04-14 15:35 J -34116802.86 -34116802.85 -34116802.81 0.0276 0.0276
 Jupiter -98119-02-17 07:25 J -34116494.46 -34116494.19 -34116493.91 0.0534 0.0141
 Neptune -98111-07-06 00:28 J -34113433.76 -34113433.48 -34113433.20 0.0089 0.0041
 Neptune -98109-05-30 21:06 J -34112738.91 -34112738.62 -34112738.31 0.0089 0.0023
 Neptune -98107-04-25 16:18 J -34112043.85 -34112043.82 -34112043.73 0.0089 0.0087
 Uranus -98107-07-25 22:47 J -34111952.82 -34111952.55 -34111952.29 0.0139 0.0056
 Saturn -98106-03-22 05:44 J -34111713.56 -34111713.26 -34111712.96 0.0281 0.0008
 Jupiter -98101-01-23 08:37 J -34109945.21 -34109945.14 -34109945.04 0.0493 0.0468
 Saturn -98092-06-02 20:37 J -34106526.93 -34106526.64 -34106526.35 0.0278 0.0002
 Saturn -98076-05-11 19:54 J -34100704.90 -34100704.67 -34100704.42 0.0282 0.0176
 Jupiter -98066-10-27 12:56 J -34096884.22 -34096883.96 -34096883.70 0.0494 0.0125
 Saturn -98062-07-22 13:40 J -34095520.15 -34095519.93 -34095519.67 0.0277 0.0147
 Uranus -98061-08-13 10:47 J -34095132.33 -34095132.05 -34095131.74 0.0140 0.0065
 Saturn -98048-06-25 18:56 J -34090432.96 -34090432.71 -34090432.45 0.0279 0.0144
 Saturn -98034-09-08 18:42 J -34085244.96 -34085244.72 -34085244.47 0.0279 0.0147
 Neptune -98029-03-19 18:56 J -34083590.88 -34083590.71 -34083590.48 0.0088 0.0069
 Neptune -98027-02-12 11:44 J -34082896.32 -34082896.01 -34082895.69 0.0088 0.0005
 Neptune -98025-01-08 06:56 J -34082201.43 -34082201.21 -34082200.96 0.0088 0.0059
 Uranus -98022-03-20 10:32 J -34081034.34 -34081034.06 -34081033.77 0.0139 0.0016
 Saturn -98018-08-15 13:25 J -34079425.24 -34079424.94 -34079424.64 0.0281 0.0015

Saturn -98004-10-27 21:20 J -34074237.89 -34074237.61 -34074237.32 0.0279 0.0008
 Jupiter -98001-08-05 12:42 J -34073225.08 -34073224.97 -34073224.85 0.0536 0.0491

98TH MILLENNIUM BCE

This is a list of transits of Mars in the 98th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-97988-10-05 05:01 J	-34068416.51	-34068416.29	-34068416.04	0.0281	0.0178		
Uranus	-97978-05-04 19:39 J	-34064917.92	-34064917.68	-34064917.42	0.0139	0.0092		
Saturn	-97974-12-15 12:13 J	-34063232.23	-34063231.99	-34063231.74	0.0278	0.0147		
Jupiter	-97965-05-13 23:01 J	-34060159.69	-34060159.54	-34060159.38	0.0533	0.0445		
Saturn	-97960-11-18 21:35 J	-34058144.85	-34058144.60	-34058144.34	0.0280	0.0139		
Neptune	-97947-02-17 17:30 J	-34053670.94	-34053670.77	-34053670.54	0.0089	0.0069		
Jupiter	-97947-04-18 12:56 J	-34053611.18	-34053610.96	-34053610.72	0.0493	0.0247		
Neptune	-97945-01-13 18:42 J	-34052976.04	-34052975.72	-34052975.40	0.0089	0.0003		
Saturn	-97945-02-02 11:44 J	-34052956.25	-34052956.01	-34052955.75	0.0280	0.0143		
Neptune	-97944-12-08 14:37 J	-34052281.09	-34052280.89	-34052280.64	0.0089	0.0062		
Uranus	-97940-12-12 08:08 J	-34050816.32	-34050816.16	-34050815.99	0.0139	0.0115		
Uranus	-97938-11-12 18:13 J	-34050115.95	-34050115.74	-34050115.50	0.0138	0.0086		
Saturn	-97929-01-09 01:54 J	-34047136.72	-34047136.42	-34047136.12	0.0280	0.0018		
Pluto	-97919-06-16 01:54 J	-34043325.72	-34043325.42	-34043325.11	0.0065	0.0006		
Saturn	-97915-03-22 15:06 J	-34041950.15	-34041949.87	-34041949.58	0.0279	0.0007		
Jupiter	-97911-01-20 20:23 J	-34040549.83	-34040549.65	-34040549.45	0.0495	0.0346		
Saturn	-97899-02-28 02:23 J	-34036128.63	-34036128.40	-34036128.16	0.0282	0.0181		

Uranus -97894-12-29 12:27 J -34033998.31 -34033997.98 -34033997.65 0.0140 0.0007
 Saturn -97885-05-10 02:37 J -34030943.63 -34030943.39 -34030943.15 0.0278 0.0150
 Saturn -97871-04-14 13:54 J -34025856.17 -34025855.92 -34025855.65 0.0279 0.0133
 Neptune -97864-09-27 09:06 J -34023133.39 -34023133.12 -34023132.80 0.0088 0.0032
 Neptune -97862-08-23 01:54 J -34022438.71 -34022438.42 -34022438.12 0.0088 0.0033
 Saturn -97857-06-27 03:49 J -34020668.58 -34020668.34 -34020668.08 0.0280 0.0142
 Uranus -97855-08-06 18:42 J -34019897.99 -34019897.72 -34019897.44 0.0139 0.0042
 Jupiter -97847-10-31 11:44 J -34016890.28 -34016890.01 -34016889.74 0.0535 0.0165
 Saturn -97841-06-02 22:47 J -34014848.85 -34014848.55 -34014848.25 0.0280 0.0022
 Pluto -97832-10-25 10:03 J -34011417.37 -34011417.08 -34011416.76 0.0079 0.0024
 Saturn -97827-08-16 00:56 J -34009661.75 -34009661.46 -34009661.17 0.0279 0.0009
 Saturn -97813-07-19 16:47 J -34004574.85 -34004574.80 -34004574.73 0.0278 0.0271
 Saturn -97811-07-24 20:37 J -34003839.86 -34003839.64 -34003839.41 0.0281 0.0187
 Uranus -97809-08-24 05:30 J -34003078.52 -34003078.27 -34003077.98 0.0140 0.0080
 Saturn -97797-10-02 22:47 J -33998655.78 -33998655.55 -33998655.30 0.0278 0.0152
 Jupiter -97793-07-12 20:37 J -33997276.91 -33997276.64 -33997276.38 0.0493 0.0028
 Saturn -97783-09-07 12:56 J -33993568.22 -33993567.96 -33993567.69 0.0279 0.0127
 Neptune -97782-08-28 11:15 J -33993213.30 -33993213.03 -33993212.71 0.0089 0.0031
 Neptune -97780-07-23 10:47 J -33992518.32 -33992518.05 -33992517.75 0.0089 0.0035
 Uranus -97770-04-01 05:15 J -33988979.55 -33988979.28 -33988978.99 0.0139 0.0029
 Saturn -97769-11-20 11:01 J -33988380.28 -33988380.04 -33988379.77 0.0280 0.0139
 Saturn -97753-10-28 01:11 J -33982559.75 -33982559.45 -33982559.15 0.0280 0.0034
 Saturn -97738-01-09 01:54 J -33977373.71 -33977373.42 -33977373.13 0.0279 0.0014
 Uranus -97726-05-15 15:49 J -33972864.10 -33972863.84 -33972863.55 0.0139 0.0075
 Saturn -97725-12-12 18:42 J -33972286.80 -33972286.72 -33972286.62 0.0278 0.0264
 Saturn -97723-12-17 21:49 J -33971551.80 -33971551.59 -33971551.36 0.0281 0.0194
 Saturn -97708-02-26 10:03 J -33966367.30 -33966367.08 -33966366.83 0.0278 0.0158
 Neptune -97700-05-12 05:59 J -33963370.47 -33963370.25 -33963370.00 0.0088 0.0057
 Neptune -97698-04-06 21:35 J -33962675.91 -33962675.60 -33962675.29 0.0088 0.0007
 Neptune -97696-03-01 14:37 J -33961981.08 -33961980.89 -33961980.70 0.0088 0.0071

Saturn -97694-02-01 20:37 J -33961278.91 -33961278.64 -33961278.37 0.0279 0.0111
 Jupiter -97692-01-24 08:51 J -33960556.41 -33960556.13 -33960555.85 0.0536 0.0086
 Uranus -97688-12-24 04:18 J -33958761.51 -33958761.32 -33958761.10 0.0139 0.0100
 Uranus -97686-11-24 15:06 J -33958061.04 -33958060.87 -33958060.65 0.0138 0.0100
 Saturn -97680-04-15 19:11 J -33956091.96 -33956091.70 -33956091.44 0.0280 0.0129
 Jupiter -97674-01-02 17:01 J -33954003.93 -33954003.79 -33954003.64 0.0491 0.0410
 Pluto -97671-09-24 22:03 J -33952642.59 -33952642.58 -33952642.47 0.0065 0.0065
 Saturn -97664-03-23 06:27 J -33950271.52 -33950271.23 -33950270.93 0.0280 0.0043
 Saturn -97650-06-04 13:11 J -33945085.23 -33945084.95 -33945084.66 0.0279 0.0021
 Uranus -97641-01-09 08:37 J -33941944.46 -33941944.14 -33941943.80 0.0140 0.0011
 Jupiter -97639-10-07 00:56 J -33940942.70 -33940942.46 -33940942.21 0.0493 0.0190
 Saturn -97636-05-09 06:56 J -33939997.33 -33939997.21 -33939997.05 0.0278 0.0246
 Saturn -97634-05-14 12:56 J -33939262.16 -33939261.96 -33939261.76 0.0281 0.0213
 Saturn -97622-07-22 06:13 J -33934810.30 -33934810.24 -33934810.16 0.0281 0.0272
 Saturn -97620-07-23 01:54 J -33934078.65 -33934078.42 -33934078.20 0.0278 0.0169
 Neptune -97618-04-12 03:06 J -33933450.57 -33933450.37 -33933450.10 0.0089 0.0059
 Neptune -97616-03-07 04:47 J -33932755.62 -33932755.30 -33932754.98 0.0089 0.0008
 Neptune -97614-01-31 03:20 J -33932060.50 -33932060.36 -33932060.15 0.0089 0.0074
 Saturn -97606-06-28 06:42 J -33928990.49 -33928990.22 -33928989.94 0.0279 0.0100
 Uranus -97603-08-18 18:13 J -33927843.03 -33927842.74 -33927842.46 0.0139 0.0025
 Saturn -97592-09-09 11:30 J -33923803.27 -33923803.02 -33923802.74 0.0280 0.0119
 Saturn -97576-08-18 01:25 J -33917981.73 -33917981.44 -33917981.14 0.0280 0.0066
 Saturn -97562-10-29 16:03 J -33912796.11 -33912795.83 -33912795.54 0.0279 0.0039
 Uranus -97557-09-04 01:25 J -33911024.65 -33911024.44 -33911024.18 0.0140 0.0097
 Saturn -97548-10-02 22:32 J -33907708.71 -33907708.56 -33907708.39 0.0278 0.0234
 Saturn -97546-10-08 04:03 J -33906973.51 -33906973.33 -33906973.15 0.0281 0.0226
 Jupiter -97538-04-20 12:13 J -33904222.20 -33904221.99 -33904221.77 0.0535 0.0352
 Neptune -97537-12-25 02:51 J -33903607.44 -33903607.38 -33903607.23 0.0088 0.0084
 Neptune -97535-11-19 17:44 J -33902913.05 -33902912.76 -33902912.45 0.0088 0.0020
 Saturn -97534-12-16 03:49 J -33902521.44 -33902521.34 -33902521.22 0.0281 0.0260

Neptune -97533-10-14 09:49 J -33902218.35 -33902218.09 -33902217.81 0.0088 0.0045
 Saturn -97532-12-16 23:01 J -33901789.74 -33901789.54 -33901789.31 0.0278 0.0181
 Jupiter -97520-03-28 14:23 J -33897670.14 -33897669.90 -33897669.66 0.0492 0.0215
 Uranus -97518-04-13 07:54 J -33896924.43 -33896924.17 -33896923.89 0.0139 0.0048
 Saturn -97518-11-23 03:20 J -33896700.64 -33896700.36 -33896700.07 0.0279 0.0077
 Saturn -97503-02-04 00:56 J -33891513.73 -33891513.46 -33891513.19 0.0280 0.0097
 Saturn -97487-01-11 20:08 J -33885692.94 -33885692.66 -33885692.37 0.0280 0.0080
 Jupiter -97485-12-30 14:08 J -33884609.08 -33884608.91 -33884608.72 0.0493 0.0361
 Uranus -97474-05-26 13:25 J -33880810.23 -33880809.94 -33880809.63 0.0140 0.0056
 Saturn -97473-03-24 16:03 J -33880507.11 -33880506.83 -33880506.54 0.0279 0.0052
 Saturn -97459-02-27 17:44 J -33875418.94 -33875418.76 -33875418.56 0.0279 0.0211
 Saturn -97457-03-04 05:01 J -33874683.42 -33874683.29 -33874683.16 0.0281 0.0253
 Neptune -97455-11-24 17:01 J -33873687.80 -33873687.79 -33873687.71 0.0089 0.0088
 Neptune -97453-10-19 20:08 J -33872992.96 -33872992.66 -33872992.34 0.0089 0.0020
 Neptune -97451-09-14 19:25 J -33872297.93 -33872297.69 -33872297.39 0.0089 0.0047
 Saturn -97445-05-11 23:59 J -33870231.65 -33870231.50 -33870231.34 0.0281 0.0236
 Saturn -97443-05-13 15:06 J -33869500.06 -33869499.87 -33869499.68 0.0278 0.0202
 Uranus -97435-01-05 07:11 J -33866706.42 -33866706.20 -33866705.94 0.0139 0.0080
 Uranus -97434-12-06 19:25 J -33866005.82 -33866005.69 -33866005.53 0.0138 0.0119
 Saturn -97429-04-18 00:27 J -33864411.77 -33864411.48 -33864411.19 0.0279 0.0063
 Jupiter -97420-10-06 05:15 J -33860953.50 -33860953.28 -33860953.05 0.0537 0.0330
 Saturn -97415-07-01 01:39 J -33859224.70 -33859224.43 -33859224.14 0.0280 0.0083
 Saturn -97399-06-08 17:30 J -33853403.05 -33853402.77 -33853402.49 0.0281 0.0104
 Uranus -97389-01-20 05:01 J -33849890.60 -33849890.29 -33849889.96 0.0140 0.0029
 Saturn -97385-08-19 13:39 J -33848217.20 -33848216.93 -33848216.65 0.0279 0.0075
 Neptune -97371-07-04 13:54 J -33843150.17 -33843149.92 -33843149.64 0.0088 0.0047
 Saturn -97371-07-24 16:47 J -33843129.99 -33843129.80 -33843129.58 0.0278 0.0199
 Neptune -97369-05-29 03:49 J -33842455.63 -33842455.34 -33842455.02 0.0088 0.0019
 Saturn -97369-07-29 02:37 J -33842394.49 -33842394.39 -33842394.30 0.0281 0.0266
 Neptune -97367-04-23 19:54 J -33841760.73 -33841760.67 -33841760.53 0.0088 0.0084

Jupiter -97366-06-21 21:49 J -33841336.85 -33841336.59 -33841336.32 0.0492 0.0057
 Saturn -97357-10-05 23:59 J -33837942.66 -33837942.50 -33837942.31 0.0281 0.0224
 Saturn -97355-10-07 15:20 J -33837211.02 -33837210.86 -33837210.66 0.0278 0.0216
 Uranus -97351-08-30 21:20 J -33835787.90 -33835787.61 -33835787.32 0.0139 0.0006
 Saturn -97341-09-12 16:03 J -33832122.12 -33832121.83 -33832121.54 0.0280 0.0041
 Saturn -97327-11-26 02:23 J -33826934.68 -33826934.40 -33826934.12 0.0280 0.0061
 Saturn -97311-11-02 14:23 J -33821114.17 -33821113.90 -33821113.62 0.0280 0.0116
 Uranus -97307-10-10 21:06 J -33819675.76 -33819675.62 -33819675.44 0.0139 0.0120
 Uranus -97305-09-14 23:30 J -33818970.71 -33818970.52 -33818970.32 0.0140 0.0114
 Saturn -97296-01-13 11:44 J -33815928.27 -33815928.01 -33815927.73 0.0279 0.0087
 Neptune -97289-06-03 08:37 J -33813230.39 -33813230.14 -33813229.87 0.0089 0.0050
 Neptune -97287-04-29 11:15 J -33812535.34 -33812535.03 -33812534.72 0.0089 0.0018
 Neptune -97285-03-24 10:03 J -33811840.15 -33811840.08 -33811839.97 0.0089 0.0085
 Saturn -97283-12-19 00:27 J -33810840.71 -33810840.48 -33810840.26 0.0279 0.0181
 Saturn -97268-03-02 22:32 J -33805652.74 -33805652.56 -33805652.34 0.0281 0.0205
 Uranus -97268-05-24 18:42 J -33805569.78 -33805569.72 -33805569.62 0.0140 0.0134
 Saturn -97266-03-04 11:44 J -33804921.15 -33804921.01 -33804920.84 0.0278 0.0234
 Uranus -97266-04-25 10:18 J -33804869.31 -33804869.07 -33804868.81 0.0139 0.0066
 Jupiter -97266-12-30 10:47 J -33804620.32 -33804620.05 -33804619.78 0.0537 0.0128
 Saturn -97252-02-06 11:59 J -33799833.29 -33799833.00 -33799832.70 0.0279 0.0033
 Jupiter -97248-12-11 06:56 J -33798064.28 -33798064.21 -33798064.12 0.0490 0.0467
 Saturn -97238-04-21 17:15 J -33794646.06 -33794645.78 -33794645.49 0.0280 0.0052
 Saturn -97222-03-29 15:49 J -33788825.10 -33788824.84 -33788824.56 0.0281 0.0131
 Uranus -97222-06-06 11:59 J -33788756.31 -33788756.00 -33788755.67 0.0139 0.0038
 Jupiter -97212-09-14 12:27 J -33785003.24 -33785002.98 -33785002.72 0.0492 0.0124
 Saturn -97208-06-10 03:20 J -33783638.63 -33783638.36 -33783638.09 0.0279 0.0102
 Neptune -97207-02-16 10:32 J -33783387.20 -33783387.06 -33783386.86 0.0088 0.0074
 Neptune -97205-01-11 23:01 J -33782692.84 -33782692.54 -33782692.22 0.0088 0.0010
 Neptune -97204-12-06 13:11 J -33781998.18 -33781997.95 -33781997.70 0.0088 0.0056
 Saturn -97194-05-14 20:23 J -33778551.87 -33778551.65 -33778551.42 0.0278 0.0174

Uranus -97183-01-17 11:15 J -33774651.28 -33774651.03 -33774650.76 0.0139 0.0060
 Uranus -97182-12-18 23:30 J -33773950.56 -33773950.52 -33773950.46 0.0138 0.0136
 Saturn -97180-07-27 06:27 J -33773364.42 -33773364.23 -33773364.01 0.0281 0.0199
 Saturn -97178-07-28 22:03 J -33772632.72 -33772632.58 -33772632.44 0.0278 0.0240
 Saturn -97164-07-03 05:44 J -33767544.56 -33767544.26 -33767543.97 0.0280 0.0021
 Saturn -97150-09-16 02:37 J -33762356.68 -33762356.39 -33762356.10 0.0280 0.0040
 Uranus -97137-01-31 07:25 J -33757836.49 -33757836.19 -33757835.87 0.0140 0.0048
 Saturn -97134-08-23 07:11 J -33756536.46 -33756536.20 -33756535.94 0.0280 0.0135
 Neptune -97125-01-16 17:30 J -33753467.87 -33753467.77 -33753467.59 0.0089 0.0080
 Neptune -97124-12-11 22:32 J -33752772.87 -33752772.56 -33752772.24 0.0089 0.0011
 Neptune -97122-11-07 00:13 J -33752077.70 -33752077.49 -33752077.22 0.0089 0.0057
 Saturn -97120-11-03 06:42 J -33751350.47 -33751350.22 -33751349.94 0.0279 0.0106
 Jupiter -97111-03-25 18:42 J -33748285.98 -33748285.72 -33748285.44 0.0536 0.0157
 Saturn -97106-10-08 06:13 J -33746263.46 -33746263.24 -33746262.99 0.0278 0.0167
 Uranus -97099-09-12 03:49 J -33743732.62 -33743732.34 -33743732.05 0.0139 0.0014
 Jupiter -97093-03-06 06:27 J -33741730.45 -33741730.23 -33741729.99 0.0490 0.0258
 Saturn -97092-12-21 07:54 J -33741075.38 -33741075.17 -33741074.95 0.0281 0.0191
 Saturn -97090-12-23 01:25 J -33740343.56 -33740343.44 -33740343.31 0.0278 0.0249
 Saturn -97076-11-26 21:49 J -33735255.89 -33735255.59 -33735255.29 0.0278 0.0016
 Saturn -97061-02-09 00:13 J -33730068.77 -33730068.49 -33730068.20 0.0280 0.0039
 Jupiter -97058-12-09 15:49 J -33728669.03 -33728668.84 -33728668.64 0.0492 0.0336
 Uranus -97055-10-22 00:42 J -33727621.68 -33727621.47 -33727621.23 0.0139 0.0100
 Uranus -97053-09-26 02:23 J -33726916.49 -33726916.40 -33726916.29 0.0140 0.0134
 Saturn -97045-01-16 10:18 J -33724248.33 -33724248.07 -33724247.81 0.0280 0.0140
 Neptune -97042-08-26 18:27 J -33722929.99 -33722929.73 -33722929.43 0.0088 0.0038
 Neptune -97040-07-21 07:54 J -33722235.46 -33722235.17 -33722234.87 0.0088 0.0028
 Saturn -97031-03-30 02:37 J -33719061.65 -33719061.39 -33719061.12 0.0280 0.0111
 Saturn -97017-03-02 23:01 J -33713974.77 -33713974.54 -33713974.29 0.0277 0.0160
 Uranus -97016-06-06 05:01 J -33713514.46 -33713514.29 -33713514.10 0.0140 0.0110
 Uranus -97014-05-07 22:03 J -33712813.78 -33712813.58 -33712813.33 0.0139 0.0088

Saturn -97003-05-16 00:42 J -33708787.67 -33708787.47 -33708787.24 0.0281 0.0190

Saturn -97001-05-16 20:51 J -33708055.74 -33708055.63 -33708055.49 0.0279 0.0250

97TH MILLENNIUM BCE

This is a list of transits of Mars in the 97th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-96993-09-11 11:59 J	-33705016.13	-33705016.00	-33705015.84	0.0538	0.0457		
Saturn	-96987-04-21 20:23 J	-33702967.95	-33702967.65	-33702967.36	0.0279	0.0013		
Saturn	-96973-07-04 12:13 J	-33697780.28	-33697779.99	-33697779.70	0.0281	0.0036		
Uranus	-96970-06-17 20:37 J	-33696701.96	-33696701.64	-33696701.31	0.0139	0.0014		
Neptune	-96960-07-26 06:42 J	-33693010.48	-33693010.22	-33693009.91	0.0089	0.0042		
Neptune	-96958-06-21 10:03 J	-33692315.38	-33692315.08	-33692314.77	0.0089	0.0027		
Saturn	-96957-06-11 01:39 J	-33691959.67	-33691959.43	-33691959.16	0.0279	0.0146		
Jupiter	-96957-06-19 01:39 J	-33691951.58	-33691951.43	-33691951.26	0.0537	0.0442		
Saturn	-96943-08-22 20:51 J	-33686773.89	-33686773.63	-33686773.36	0.0280	0.0112		
Jupiter	-96939-05-31 13:54 J	-33685396.19	-33685395.92	-33685395.65	0.0490	0.0036		
Uranus	-96931-01-30 01:25 J	-33682595.72	-33682595.44	-33682595.15	0.0139	0.0034		
Saturn	-96929-07-26 20:23 J	-33681686.88	-33681686.65	-33681686.39	0.0278	0.0156		
Pluto	-96928-08-30 20:51 J	-33681286.80	-33681286.63	-33681286.45	0.0065	0.0053		
Saturn	-96915-10-09 07:54 J	-33676499.37	-33676499.17	-33676498.94	0.0281	0.0188		
Saturn	-96913-10-10 09:06 J	-33675767.22	-33675767.12	-33675766.98	0.0279	0.0253		
Saturn	-96899-09-15 17:01 J	-33670679.09	-33670678.79	-33670678.49	0.0278	0.0003		
Uranus	-96885-02-11 15:49 J	-33665782.11	-33665781.84	-33665781.54	0.0140	0.0071		

Saturn -96885-11-27 08:08 J -33665492.45 -33665492.16 -33665491.87 0.0281 0.0033
 Neptune -96878-04-10 12:56 J -33663167.15 -33663166.96 -33663166.74 0.0088 0.0066
 Neptune -96876-03-05 00:13 J -33662472.80 -33662472.49 -33662472.18 0.0088 0.0001
 Neptune -96874-01-28 13:54 J -33661778.13 -33661777.92 -33661777.70 0.0088 0.0065
 Saturn -96869-11-03 23:15 J -33659671.79 -33659671.53 -33659671.28 0.0279 0.0150
 Saturn -96854-01-16 05:30 J -33654485.53 -33654485.27 -33654485.00 0.0280 0.0116
 Uranus -96847-09-24 20:08 J -33651676.93 -33651676.66 -33651676.38 0.0139 0.0040
 Saturn -96841-12-20 21:49 J -33649397.82 -33649397.59 -33649397.32 0.0277 0.0144
 Jupiter -96839-12-06 14:37 J -33648682.15 -33648681.89 -33648681.62 0.0539 0.0195
 Saturn -96826-03-04 07:54 J -33644211.38 -33644211.17 -33644210.93 0.0282 0.0181
 Saturn -96824-03-05 10:03 J -33643479.18 -33643479.08 -33643478.96 0.0279 0.0257
 Jupiter -96821-11-20 10:47 J -33642123.18 -33642123.05 -33642122.90 0.0489 0.0411
 Saturn -96810-02-08 16:32 J -33638391.11 -33638390.81 -33638390.51 0.0278 0.0003
 Uranus -96803-11-02 14:37 J -33635567.15 -33635566.89 -33635566.59 0.0139 0.0073
 Neptune -96796-03-09 11:44 J -33633248.15 -33633248.01 -33633247.79 0.0089 0.0074
 Saturn -96796-04-22 14:37 J -33633204.18 -33633203.89 -33633203.60 0.0281 0.0027
 Neptune -96794-02-02 18:42 J -33632553.04 -33632552.72 -33632552.40 0.0089 0.0004
 Neptune -96793-12-28 21:06 J -33631857.82 -33631857.62 -33631857.39 0.0089 0.0065
 Jupiter -96785-08-24 23:01 J -33629061.78 -33629061.54 -33629061.29 0.0490 0.0195
 Saturn -96782-03-28 18:27 J -33628115.78 -33628115.73 -33628115.68 0.0277 0.0272
 Saturn -96780-03-31 05:15 J -33627382.52 -33627382.28 -33627382.04 0.0279 0.0165
 Saturn -96766-06-11 11:44 J -33622197.27 -33622197.01 -33622196.75 0.0280 0.0124
 Uranus -96764-06-18 19:54 J -33621458.88 -33621458.67 -33621458.41 0.0140 0.0084
 Uranus -96762-05-20 13:11 J -33620758.10 -33620757.95 -33620757.77 0.0139 0.0113
 Saturn -96752-05-16 02:08 J -33617109.66 -33617109.41 -33617109.14 0.0278 0.0135
 Saturn -96738-07-28 16:47 J -33611923.02 -33611922.80 -33611922.55 0.0281 0.0174
 Saturn -96736-07-29 21:06 J -33611190.69 -33611190.62 -33611190.52 0.0279 0.0265
 Saturn -96722-07-06 03:49 J -33606101.63 -33606101.34 -33606101.04 0.0278 0.0023
 Uranus -96718-06-29 09:20 J -33604647.43 -33604647.11 -33604646.78 0.0139 0.0011
 Neptune -96713-10-17 17:59 J -33602710.02 -33602709.75 -33602709.44 0.0088 0.0031

Neptune -96711-09-12 05:01 J -33602015.56 -33602015.29 -33602014.99 0.0088 0.0036
 Saturn -96708-09-16 07:11 J -33600915.49 -33600915.20 -33600914.91 0.0281 0.0014
 Saturn -96694-08-22 03:49 J -33595827.43 -33595827.34 -33595827.25 0.0277 0.0262
 Saturn -96692-08-24 13:11 J -33595094.17 -33595093.95 -33595093.70 0.0279 0.0176
 Jupiter -96684-03-02 02:08 J -33592347.68 -33592347.41 -33592347.13 0.0538 0.0095
 Pluto -96680-12-08 22:18 J -33590604.80 -33590604.57 -33590604.31 0.0065 0.0039
 Uranus -96679-02-11 17:59 J -33590540.03 -33590539.75 -33590539.45 0.0140 0.0008
 Saturn -96678-11-05 02:08 J -33589908.65 -33589908.41 -33589908.15 0.0280 0.0135
 Jupiter -96666-02-14 15:06 J -33585789.12 -33585788.87 -33585788.62 0.0489 0.0197
 Saturn -96664-10-10 17:59 J -33584820.02 -33584819.75 -33584819.48 0.0278 0.0113
 Saturn -96650-12-22 19:54 J -33579633.91 -33579633.67 -33579633.42 0.0281 0.0156
 Saturn -96648-12-23 21:20 J -33578901.62 -33578901.61 -33578901.59 0.0279 0.0279
 Uranus -96635-03-20 14:23 J -33574431.99 -33574431.90 -33574431.75 0.0139 0.0129
 Saturn -96634-11-29 17:59 J -33573813.04 -33573812.75 -33573812.45 0.0278 0.0035
 Uranus -96633-02-23 09:20 J -33573727.34 -33573727.11 -33573726.86 0.0140 0.0097
 Neptune -96631-09-16 22:18 J -33572790.87 -33572790.57 -33572790.28 0.0089 0.0036
 Jupiter -96631-11-18 18:42 J -33572727.89 -33572727.72 -33572727.56 0.0491 0.0383
 Neptune -96629-08-12 02:51 J -33572095.65 -33572095.38 -33572095.06 0.0089 0.0034
 Saturn -96619-02-10 01:54 J -33568626.71 -33568626.42 -33568626.13 0.0281 0.0002
 Saturn -96605-01-16 19:54 J -33563537.80 -33563537.67 -33563537.52 0.0277 0.0242
 Saturn -96603-01-19 10:32 J -33562804.26 -33562804.06 -33562803.84 0.0279 0.0201
 Uranus -96597-11-05 16:18 J -33560321.89 -33560321.82 -33560321.70 0.0140 0.0133
 Uranus -96595-10-07 13:39 J -33559621.17 -33559620.93 -33559620.66 0.0139 0.0067
 Pluto -96592-04-17 13:25 J -33558698.00 -33558697.94 -33558697.83 0.0079 0.0077
 Saturn -96589-03-31 11:15 J -33557619.26 -33557619.03 -33557618.78 0.0280 0.0153
 Saturn -96575-03-06 12:13 J -33552531.26 -33552530.99 -33552530.71 0.0278 0.0101
 Saturn -96561-05-17 16:47 J -33547345.04 -33547344.80 -33547344.54 0.0281 0.0142
 Uranus -96551-11-14 09:06 J -33543512.41 -33543512.12 -33543511.79 0.0139 0.0046
 Neptune -96549-06-01 10:18 J -33542947.26 -33542947.07 -33542946.81 0.0088 0.0061
 Neptune -96547-04-26 20:23 J -33542252.95 -33542252.65 -33542252.34 0.0088 0.0005

Neptune -96545-03-21 06:56 J -33541558.36 -33541558.21 -33541558.00 0.0088 0.0072
 Saturn -96545-04-25 14:51 J -33541523.16 -33541522.88 -33541522.58 0.0279 0.0059
 Saturn -96531-07-07 18:56 J -33536337.00 -33536336.71 -33536336.42 0.0281 0.0020
 Jupiter -96530-05-26 09:06 J -33536014.35 -33536014.12 -33536013.88 0.0538 0.0298
 Saturn -96517-06-11 17:59 J -33531248.89 -33531248.75 -33531248.57 0.0277 0.0230
 Saturn -96515-06-15 08:08 J -33530515.35 -33530515.16 -33530514.97 0.0279 0.0214
 Jupiter -96512-05-10 01:25 J -33529455.71 -33529455.44 -33529455.17 0.0489 0.0031
 Uranus -96512-07-01 17:30 J -33529403.03 -33529402.77 -33529402.49 0.0140 0.0054
 Saturn -96501-08-25 11:01 J -33525330.25 -33525330.04 -33525329.80 0.0280 0.0168
 Saturn -96487-08-01 06:27 J -33520241.51 -33520241.23 -33520240.94 0.0278 0.0079
 Saturn -96473-10-12 17:44 J -33515055.02 -33515054.76 -33515054.48 0.0281 0.0120
 Neptune -96467-04-30 22:32 J -33513028.74 -33513028.56 -33513028.34 0.0089 0.0070
 Uranus -96466-07-11 08:51 J -33512592.43 -33512592.13 -33512591.80 0.0139 0.0041
 Neptune -96465-03-26 06:13 J -33512333.56 -33512333.24 -33512332.92 0.0089 0.0001
 Neptune -96463-02-19 10:32 J -33511638.22 -33511638.06 -33511637.84 0.0089 0.0071
 Saturn -96457-09-19 14:23 J -33509234.18 -33509233.90 -33509233.61 0.0279 0.0072
 Saturn -96443-12-01 19:54 J -33504047.95 -33504047.67 -33504047.38 0.0280 0.0034
 Pluto -96431-03-18 19:11 J -33499922.95 -33499922.70 -33499922.41 0.0065 0.0033
 Saturn -96429-11-06 07:11 J -33498959.39 -33498959.20 -33498959.01 0.0278 0.0211
 Uranus -96427-02-24 18:42 J -33498484.00 -33498483.72 -33498483.43 0.0140 0.0024
 Saturn -96427-11-10 01:25 J -33498225.58 -33498225.44 -33498225.26 0.0280 0.0236
 Saturn -96414-01-18 05:15 J -33493773.37 -33493773.28 -33493773.17 0.0282 0.0265
 Saturn -96412-01-20 11:44 J -33493040.21 -33493040.01 -33493039.78 0.0280 0.0188
 Jupiter -96412-11-11 09:20 J -33492745.30 -33492745.11 -33492744.91 0.0540 0.0384
 Saturn -96399-12-26 06:27 J -33487952.52 -33487952.23 -33487951.95 0.0278 0.0068
 Jupiter -96394-10-30 05:15 J -33486183.37 -33486183.28 -33486183.16 0.0488 0.0449
 Saturn -96384-03-08 15:35 J -33482766.11 -33482765.85 -33482765.57 0.0281 0.0108
 Neptune -96384-12-09 10:47 J -33482490.34 -33482490.05 -33482489.75 0.0088 0.0026
 Uranus -96383-04-01 15:20 J -33482377.08 -33482376.86 -33482376.62 0.0139 0.0097
 Neptune -96382-11-03 20:37 J -33481795.89 -33481795.64 -33481795.34 0.0088 0.0041

Uranus -96381-03-06 07:39 J -33481672.29 -33481672.18 -33481672.01 0.0140 0.0126
 Jupiter -96376-08-18 22:47 J -33479680.61 -33479680.55 -33479680.47 0.0538 0.0520
 Saturn -96368-02-14 00:27 J -33476944.76 -33476944.48 -33476944.20 0.0279 0.0090
 Jupiter -96358-08-03 13:25 J -33473122.20 -33473121.94 -33473121.68 0.0489 0.0145
 Saturn -96354-04-28 19:39 J -33471757.96 -33471757.68 -33471757.39 0.0281 0.0053
 Uranus -96345-11-18 18:27 J -33468265.91 -33468265.73 -33468265.50 0.0140 0.0099
 Pluto -96344-07-26 05:15 J -33468016.45 -33468016.28 -33468016.09 0.0079 0.0066
 Uranus -96343-10-20 17:44 J -33467564.96 -33467564.76 -33467564.55 0.0139 0.0099
 Saturn -96340-04-02 07:25 J -33466670.38 -33466670.19 -33466669.98 0.0277 0.0202
 Saturn -96338-04-05 22:32 J -33465936.70 -33465936.56 -33465936.41 0.0279 0.0245
 Saturn -96326-06-13 21:20 J -33461484.73 -33461484.61 -33461484.48 0.0282 0.0255
 Saturn -96324-06-16 05:44 J -33460751.45 -33460751.26 -33460751.05 0.0280 0.0198
 Saturn -96310-05-22 08:37 J -33455663.43 -33455663.14 -33455662.85 0.0278 0.0054
 Neptune -96302-11-08 05:59 J -33452571.54 -33452571.25 -33452570.94 0.0089 0.0033
 Neptune -96300-10-03 11:59 J -33451876.27 -33451876.00 -33451875.69 0.0089 0.0038
 Uranus -96299-11-26 14:51 J -33451457.20 -33451456.88 -33451456.55 0.0139 0.0012
 Saturn -96296-08-03 11:44 J -33450476.29 -33450476.01 -33450475.73 0.0281 0.0092
 Saturn -96280-07-10 21:35 J -33444655.88 -33444655.60 -33444655.32 0.0278 0.0097
 Saturn -96266-09-22 07:39 J -33439469.47 -33439469.18 -33439468.90 0.0280 0.0061
 Uranus -96260-07-14 20:23 J -33437346.93 -33437346.65 -33437346.36 0.0140 0.0021
 Jupiter -96257-02-05 10:03 J -33436411.35 -33436411.08 -33436410.81 0.0539 0.0124
 Saturn -96252-08-27 02:08 J -33434381.61 -33434381.41 -33434381.18 0.0277 0.0191
 Saturn -96250-08-30 18:27 J -33433647.84 -33433647.73 -33433647.60 0.0280 0.0256
 Jupiter -96239-01-22 23:44 J -33429849.74 -33429849.51 -33429849.27 0.0488 0.0252
 Saturn -96238-11-08 09:35 J -33429195.24 -33429195.10 -33429194.94 0.0282 0.0243
 Saturn -96236-11-10 18:56 J -33428461.88 -33428461.71 -33428461.51 0.0280 0.0211
 Saturn -96222-10-16 05:59 J -33423374.54 -33423374.25 -33423373.96 0.0277 0.0046
 Neptune -96220-07-24 00:27 J -33422727.69 -33422727.48 -33422727.23 0.0088 0.0058
 Neptune -96218-06-18 09:06 J -33422033.42 -33422033.12 -33422032.81 0.0088 0.0009
 Neptune -96216-05-12 18:56 J -33421338.84 -33421338.71 -33421338.51 0.0088 0.0076

Uranus -96214-07-23 11:59 J -33420537.27 -33420537.00 -33420536.71 0.0139 0.0072
 Saturn -96208-12-27 16:47 J -33418188.07 -33418187.80 -33418187.51 0.0281 0.0087
 Jupiter -96204-10-27 11:15 J -33416788.21 -33416788.03 -33416787.83 0.0489 0.0345
 Saturn -96192-12-04 09:35 J -33412367.37 -33412367.10 -33412366.82 0.0279 0.0106
 Pluto -96183-06-26 12:42 J -33409241.20 -33409240.97 -33409240.66 0.0065 0.0033
 Saturn -96177-02-16 12:56 J -33407180.24 -33407179.96 -33407179.67 0.0281 0.0070
 Uranus -96175-03-09 20:08 J -33406427.92 -33406427.66 -33406427.39 0.0140 0.0055
 Saturn -96163-01-20 23:30 J -33402092.74 -33402092.52 -33402092.30 0.0276 0.0182
 Saturn -96161-01-24 10:18 J -33401359.15 -33401359.07 -33401358.95 0.0279 0.0262
 Saturn -96149-04-02 07:25 J -33396907.33 -33396907.19 -33396907.02 0.0282 0.0240
 Saturn -96147-04-05 19:54 J -33396173.85 -33396173.67 -33396173.48 0.0280 0.0214
 Neptune -96138-06-22 02:23 J -33392809.56 -33392809.40 -33392809.15 0.0089 0.0069
 Neptune -96136-05-17 11:44 J -33392114.33 -33392114.01 -33392113.69 0.0089 0.0004
 Neptune -96134-04-12 16:18 J -33391418.95 -33391418.82 -33391418.61 0.0089 0.0075
 Saturn -96133-03-10 10:32 J -33391086.34 -33391086.06 -33391085.76 0.0278 0.0040
 Uranus -96131-04-13 23:44 J -33390321.78 -33390321.51 -33390321.20 0.0138 0.0063
 Saturn -96119-05-23 11:44 J -33385899.28 -33385899.01 -33385898.71 0.0282 0.0080
 Saturn -96103-04-30 02:37 J -33380078.66 -33380078.39 -33380078.11 0.0278 0.0113
 Jupiter -96103-05-01 12:27 J -33380077.24 -33380076.98 -33380076.71 0.0540 0.0145
 Pluto -96096-11-02 21:06 J -33377334.82 -33377334.62 -33377334.36 0.0079 0.0055
 Uranus -96093-12-01 19:54 J -33376209.92 -33376209.67 -33376209.40 0.0141 0.0066
 Uranus -96091-11-02 18:27 J -33375508.83 -33375508.73 -33375508.61 0.0139 0.0129
 Saturn -96089-07-11 08:08 J -33374892.43 -33374892.16 -33374891.87 0.0281 0.0073
 Jupiter -96085-04-18 03:49 J -33373515.61 -33373515.34 -33373515.06 0.0488 0.0036
 Saturn -96075-06-16 00:27 J -33369804.69 -33369804.48 -33369804.24 0.0277 0.0177
 Saturn -96073-06-18 10:03 J -33369071.16 -33369071.08 -33369070.98 0.0279 0.0265
 Saturn -96061-08-26 18:13 J -33364618.90 -33364618.74 -33364618.57 0.0283 0.0235
 Saturn -96059-08-30 11:01 J -33363885.20 -33363885.04 -33363884.85 0.0280 0.0220
 Neptune -96054-01-30 20:23 J -33362270.93 -33362270.65 -33362270.34 0.0088 0.0025
 Neptune -96053-12-25 04:47 J -33361576.55 -33361576.30 -33361576.02 0.0088 0.0043

Uranus	-96047-12-08 21:20 J	-33359401.93	-33359401.61	-33359401.29	0.0139	0.0021
Saturn	-96045-08-04 06:42 J	-33358797.51	-33358797.22	-33358796.92	0.0277	0.0030
Saturn	-96031-10-16 05:30 J	-33353611.55	-33353611.27	-33353610.98	0.0282	0.0077
Saturn	-96015-09-23 00:13 J	-33347790.75	-33347790.49	-33347790.21	0.0278	0.0117
Uranus	-96008-07-27 20:23 J	-33345290.93	-33345290.65	-33345290.35	0.0140	0.0012
Saturn	-96001-12-04 16:47 J	-33342604.08	-33342603.80	-33342603.52	0.0281	0.0077

96TH MILLENNIUM BCE

This is a list of transits of Mars in the 96th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-95987-11-09 23:30 J	-33337515.74	-33337515.52	-33337515.27	0.0276	0.0165		
Jupiter	-95985-10-18 09:20 J	-33336807.23	-33336807.11	-33336806.98	0.0541	0.0481		
Saturn	-95985-11-12 06:27 J	-33336782.27	-33336782.23	-33336782.18	0.0278	0.0274		
Neptune	-95973-12-29 08:23 J	-33332352.43	-33332352.15	-33332351.82	0.0089	0.0032		
Saturn	-95972-01-19 12:13 J	-33332331.14	-33332330.99	-33332330.80	0.0283	0.0231		
Neptune	-95971-11-24 16:47 J	-33331657.06	-33331656.80	-33331656.49	0.0089	0.0041		
Saturn	-95970-01-23 06:13 J	-33331597.40	-33331597.24	-33331597.05	0.0280	0.0223		
Jupiter	-95967-10-08 21:06 J	-33330242.75	-33330242.62	-33330242.46	0.0487	0.0410		
Uranus	-95964-08-30 14:23 J	-33329186.10	-33329185.90	-33329185.70	0.0138	0.0108		
Uranus	-95962-08-04 22:47 J	-33328481.73	-33328481.55	-33328481.32	0.0139	0.0107		
Saturn	-95957-12-28 04:18 J	-33326509.61	-33326509.32	-33326509.03	0.0277	0.0025		
Jupiter	-95949-07-26 06:27 J	-33323742.37	-33323742.23	-33323742.08	0.0539	0.0455		
Saturn	-95942-03-11 09:06 J	-33321323.40	-33321323.12	-33321322.83	0.0282	0.0073		

Pluto -95935-10-04 03:06 J -33318559.59 -33318559.37 -33318559.09 0.0065 0.0040
 Jupiter -95931-07-13 13:54 J -33317181.16 -33317180.92 -33317180.67 0.0488 0.0203
 Saturn -95926-02-16 23:59 J -33315501.76 -33315501.50 -33315501.24 0.0277 0.0130
 Uranus -95925-04-20 19:11 J -33315072.86 -33315072.70 -33315072.50 0.0141 0.0110
 Uranus -95923-03-22 23:59 J -33314371.71 -33314371.50 -33314371.26 0.0140 0.0087
 Saturn -95912-04-29 14:51 J -33310316.15 -33310315.88 -33310315.60 0.0281 0.0082
 Saturn -95898-04-04 22:32 J -33305227.80 -33305227.56 -33305227.32 0.0276 0.0159
 Neptune -95891-09-14 09:49 J -33302508.29 -33302508.09 -33302507.83 0.0088 0.0058
 Neptune -95889-08-08 17:01 J -33301814.09 -33301813.79 -33301813.48 0.0088 0.0009
 Neptune -95887-07-04 00:42 J -33301119.60 -33301119.47 -33301119.29 0.0088 0.0077
 Saturn -95884-06-14 14:23 J -33300043.06 -33300042.90 -33300042.70 0.0283 0.0226
 Saturn -95882-06-18 11:44 J -33299309.16 -33299309.01 -33299308.83 0.0281 0.0228
 Uranus -95879-04-26 11:01 J -33298266.35 -33298266.04 -33298265.71 0.0138 0.0026
 Saturn -95868-05-24 08:08 J -33294220.45 -33294220.16 -33294219.86 0.0277 0.0009
 Saturn -95854-08-04 14:23 J -33289035.18 -33289034.90 -33289034.60 0.0282 0.0064
 Pluto -95847-02-10 02:08 J -33286653.56 -33286653.41 -33286653.24 0.0079 0.0068
 Uranus -95841-12-14 22:03 J -33284153.85 -33284153.58 -33284153.28 0.0141 0.0032
 Saturn -95838-07-13 00:42 J -33283213.72 -33283213.47 -33283213.20 0.0278 0.0137
 Jupiter -95830-01-13 01:39 J -33280472.69 -33280472.43 -33280472.17 0.0541 0.0177
 Saturn -95824-09-22 22:18 J -33278027.84 -33278027.57 -33278027.29 0.0281 0.0090
 Jupiter -95812-01-02 05:15 J -33273908.53 -33273908.28 -33273908.02 0.0487 0.0180
 Saturn -95810-08-30 05:44 J -33272938.50 -33272938.26 -33272938.00 0.0277 0.0142
 Neptune -95809-08-12 02:51 J -33272590.57 -33272590.38 -33272590.15 0.0089 0.0067
 Neptune -95807-07-08 12:56 J -33271895.28 -33271894.96 -33271894.63 0.0089 0.0006
 Neptune -95805-06-02 20:23 J -33271199.77 -33271199.65 -33271199.46 0.0089 0.0078
 Saturn -95796-11-08 05:59 J -33267754.44 -33267754.25 -33267754.04 0.0283 0.0212
 Uranus -95795-12-21 12:56 J -33267346.25 -33267345.96 -33267345.66 0.0139 0.0060
 Saturn -95794-11-12 01:11 J -33267020.59 -33267020.45 -33267020.29 0.0281 0.0238
 Saturn -95780-10-17 14:23 J -33261932.19 -33261931.90 -33261931.60 0.0277 0.0004
 Jupiter -95777-10-06 13:39 J -33260847.07 -33260846.93 -33260846.78 0.0488 0.0409

Saturn -95766-12-29 01:25 J -33256746.73 -33256746.44 -33256746.15 0.0282 0.0054
 Uranus -95756-08-10 00:56 J -33253234.73 -33253234.46 -33253234.18 0.0140 0.0046
 Saturn -95752-12-05 15:35 J -33251655.92 -33251655.85 -33251655.76 0.0276 0.0265
 Saturn -95750-12-07 14:08 J -33250924.15 -33250923.91 -33250923.66 0.0278 0.0158
 Saturn -95735-02-16 21:49 J -33245738.86 -33245738.59 -33245738.32 0.0281 0.0105
 Neptune -95725-03-23 04:03 J -33242051.61 -33242051.33 -33242051.02 0.0088 0.0024
 Neptune -95723-02-15 11:30 J -33241357.26 -33241357.02 -33241356.73 0.0088 0.0044
 Saturn -95721-01-23 16:32 J -33240650.05 -33240649.81 -33240649.54 0.0276 0.0132
 Uranus -95712-09-12 05:15 J -33237130.55 -33237130.28 -33237129.98 0.0138 0.0068
 Saturn -95707-04-03 19:54 J -33235465.87 -33235465.67 -33235465.45 0.0282 0.0201
 Saturn -95705-04-06 16:18 J -33234731.93 -33234731.82 -33234731.68 0.0280 0.0250
 Saturn -95691-03-14 05:30 J -33229642.56 -33229642.27 -33229641.97 0.0277 0.0022
 Pluto -95686-01-11 14:51 J -33227878.05 -33227877.88 -33227877.65 0.0065 0.0051
 Saturn -95677-05-24 09:49 J -33224457.38 -33224457.09 -33224456.80 0.0282 0.0035
 Jupiter -95676-04-07 13:25 J -33224139.22 -33224138.94 -33224138.67 0.0541 0.0040
 Uranus -95673-05-03 18:27 J -33223016.96 -33223016.73 -33223016.47 0.0141 0.0076
 Uranus -95671-04-04 23:30 J -33222315.65 -33222315.52 -33222315.35 0.0140 0.0120
 Saturn -95663-05-01 08:23 J -33219367.24 -33219367.15 -33219367.03 0.0276 0.0255
 Saturn -95661-05-02 05:30 J -33218635.48 -33218635.27 -33218635.02 0.0278 0.0171
 Jupiter -95658-03-28 19:54 J -33217574.94 -33217574.67 -33217574.39 0.0487 0.0005
 Saturn -95647-07-13 16:03 J -33213450.08 -33213449.83 -33213449.55 0.0281 0.0119
 Neptune -95643-02-19 09:35 J -33212133.41 -33212133.10 -33212132.79 0.0089 0.0029
 Neptune -95641-01-15 18:42 J -33211437.98 -33211437.72 -33211437.42 0.0089 0.0044
 Saturn -95633-06-19 08:23 J -33208360.41 -33208360.15 -33208359.87 0.0277 0.0110
 Uranus -95627-05-09 03:49 J -33206210.66 -33206210.34 -33206210.01 0.0138 0.0014
 Saturn -95619-08-29 15:20 J -33203176.08 -33203175.86 -33203175.62 0.0282 0.0179
 Saturn -95617-09-01 06:56 J -33202442.28 -33202442.21 -33202442.12 0.0281 0.0269
 Saturn -95603-08-08 01:54 J -33197353.71 -33197353.42 -33197353.12 0.0277 0.0035
 Pluto -95599-05-20 09:49 J -33195972.15 -33195972.09 -33195971.96 0.0079 0.0075
 Saturn -95589-10-18 08:08 J -33192168.45 -33192168.16 -33192167.86 0.0282 0.0021

Uranus -95589-12-27 21:35 J -33192097.89 -33192097.60 -33192097.30 0.0141 0.0002
 Saturn -95575-09-25 22:18 J -33187077.70 -33187077.57 -33187077.41 0.0277 0.0236
 Saturn -95573-09-27 00:27 J -33186345.68 -33186345.48 -33186345.25 0.0278 0.0194
 Neptune -95562-11-05 18:56 J -33182288.94 -33182288.71 -33182288.48 0.0088 0.0057
 Neptune -95560-09-29 23:59 J -33181594.79 -33181594.50 -33181594.19 0.0088 0.0011
 Saturn -95559-12-08 14:51 J -33181160.13 -33181159.88 -33181159.63 0.0281 0.0139
 Neptune -95558-08-25 07:54 J -33180900.30 -33180900.17 -33180900.01 0.0088 0.0078
 Saturn -95545-11-13 08:51 J -33176071.40 -33176071.13 -33176070.86 0.0277 0.0098
 Uranus -95544-01-29 00:56 J -33175994.63 -33175994.46 -33175994.25 0.0137 0.0110
 Uranus -95542-01-03 01:54 J -33175290.63 -33175290.42 -33175290.16 0.0139 0.0098
 Jupiter -95540-09-16 18:42 J -33174302.85 -33174302.72 -33174302.57 0.0486 0.0418
 Saturn -95530-01-23 14:23 J -33170887.12 -33170886.90 -33170886.64 0.0282 0.0167
 Jupiter -95522-07-02 01:25 J -33167805.68 -33167805.44 -33167805.19 0.0540 0.0257
 Saturn -95514-01-02 16:18 J -33165064.10 -33165063.82 -33165063.53 0.0278 0.0055
 Uranus -95506-09-21 09:49 J -33161880.21 -33161880.09 -33161879.93 0.0142 0.0123
 Jupiter -95504-06-21 06:13 J -33161241.49 -33161241.24 -33161240.98 0.0487 0.0180
 Uranus -95504-08-22 20:08 J -33161178.90 -33161178.66 -33161178.41 0.0140 0.0076
 Saturn -95500-03-15 10:47 J -33159878.35 -33159878.05 -33159877.76 0.0282 0.0002
 Saturn -95486-02-20 00:56 J -33154788.62 -33154788.46 -33154788.29 0.0276 0.0224
 Saturn -95484-02-21 00:42 J -33154056.66 -33154056.47 -33154056.26 0.0278 0.0205
 Neptune -95480-10-03 04:03 J -33152371.55 -33152371.33 -33152371.11 0.0089 0.0065
 Neptune -95478-08-29 15:49 J -33151676.16 -33151675.84 -33151675.51 0.0089 0.0009
 Neptune -95476-07-25 00:13 J -33150980.59 -33150980.49 -33150980.35 0.0089 0.0082
 Saturn -95470-05-04 12:13 J -33148871.23 -33148870.99 -33148870.75 0.0281 0.0152
 Uranus -95460-09-24 19:54 J -33145074.97 -33145074.67 -33145074.34 0.0138 0.0031
 Saturn -95456-04-09 17:01 J -33143782.06 -33143781.79 -33143781.51 0.0277 0.0081
 Saturn -95442-06-20 16:32 J -33138597.06 -33138596.81 -33138596.55 0.0282 0.0146
 Saturn -95426-05-29 17:30 J -33132775.05 -33132774.77 -33132774.48 0.0277 0.0065
 Uranus -95421-05-16 14:51 J -33130961.15 -33130960.88 -33130960.59 0.0141 0.0045
 Saturn -95412-08-09 04:18 J -33127589.61 -33127589.32 -33127589.02 0.0282 0.0012

Jupiter -95404-12-18 16:32 J -33124536.00 -33124535.81 -33124535.62 0.0541 0.0391
 Saturn -95398-07-17 02:51 J -33122499.55 -33122499.38 -33122499.18 0.0277 0.0212
 Neptune -95396-05-14 15:35 J -33121832.14 -33121831.85 -33121831.55 0.0088 0.0023
 Saturn -95396-07-18 05:59 J -33121767.42 -33121767.25 -33121767.06 0.0278 0.0220
 Neptune -95394-04-08 20:08 J -33121137.90 -33121137.66 -33121137.37 0.0088 0.0045
 Jupiter -95386-12-11 07:39 J -33117969.42 -33117969.18 -33117968.93 0.0486 0.0231
 Saturn -95382-09-29 09:06 J -33116581.35 -33116581.12 -33116580.89 0.0281 0.0169
 Uranus -95375-05-21 16:32 J -33114155.10 -33114154.81 -33114154.49 0.0138 0.0052
 Saturn -95368-09-03 19:25 J -33111492.97 -33111492.69 -33111492.41 0.0276 0.0071
 Jupiter -95368-09-24 19:25 J -33111471.78 -33111471.69 -33111471.58 0.0541 0.0499
 Saturn -95354-11-14 05:01 J -33106308.54 -33106308.29 -33106308.02 0.0282 0.0138
 Jupiter -95350-09-14 22:47 J -33104907.72 -33104907.55 -33104907.36 0.0487 0.0369
 Saturn -95338-10-23 14:23 J -33100486.18 -33100485.90 -33100485.62 0.0278 0.0077
 Uranus -95336-01-09 16:03 J -33100042.11 -33100041.83 -33100041.54 0.0141 0.0031
 Saturn -95323-01-03 19:39 J -33095299.97 -33095299.68 -33095299.38 0.0282 0.0026
 Neptune -95314-04-12 11:59 J -33091914.31 -33091914.00 -33091913.68 0.0089 0.0026
 Neptune -95312-03-07 23:44 J -33091218.77 -33091218.51 -33091218.23 0.0089 0.0048
 Saturn -95310-12-11 04:18 J -33090210.51 -33090210.32 -33090210.12 0.0276 0.0201
 Saturn -95308-12-12 03:20 J -33089478.51 -33089478.36 -33089478.17 0.0277 0.0229
 Saturn -95293-02-22 17:15 J -33084293.00 -33084292.78 -33084292.55 0.0281 0.0175
 Uranus -95292-02-10 14:08 J -33083939.16 -33083938.91 -33083938.62 0.0137 0.0073
 Uranus -95290-01-15 13:54 J -33083234.99 -33083234.92 -33083234.80 0.0139 0.0133
 Saturn -95279-01-28 07:39 J -33079204.46 -33079204.18 -33079203.89 0.0277 0.0062
 Saturn -95265-04-09 10:32 J -33074019.32 -33074019.06 -33074018.78 0.0283 0.0127
 Uranus -95254-10-04 05:30 J -33069824.48 -33069824.27 -33069824.03 0.0142 0.0091
 Uranus -95252-09-04 17:15 J -33069122.95 -33069122.78 -33069122.57 0.0140 0.0106
 Jupiter -95249-03-13 12:13 J -33068202.25 -33068201.99 -33068201.72 0.0542 0.0147
 Saturn -95249-03-18 11:01 J -33068197.32 -33068197.04 -33068196.76 0.0277 0.0085
 Saturn -95235-05-29 21:06 J -33063011.91 -33063011.62 -33063011.32 0.0282 0.0031
 Neptune -95233-12-27 09:35 J -33062069.31 -33062069.10 -33062068.83 0.0088 0.0055

Jupiter -95231-03-06 07:39 J -33061635.45 -33061635.18 -33061634.90 0.0486 0.0025
 Neptune -95231-11-21 14:08 J -33061375.21 -33061374.91 -33061374.61 0.0088 0.0013
 Neptune -95229-10-15 19:25 J -33060680.80 -33060680.69 -33060680.56 0.0088 0.0081
 Saturn -95221-05-05 10:47 J -33057922.24 -33057922.05 -33057921.84 0.0276 0.0194
 Saturn -95219-05-07 09:06 J -33057190.26 -33057190.12 -33057189.95 0.0278 0.0234
 Uranus -95208-10-07 08:51 J -33053019.45 -33053019.13 -33053018.81 0.0138 0.0006
 Saturn -95205-07-18 16:03 J -33052004.04 -33052003.83 -33052003.60 0.0282 0.0184
 Saturn -95191-06-24 05:30 J -33046915.55 -33046915.27 -33046914.98 0.0276 0.0052
 Saturn -95177-09-02 07:39 J -33041731.44 -33041731.18 -33041730.90 0.0283 0.0123
 Uranus -95169-05-29 06:42 J -33038905.51 -33038905.22 -33038904.92 0.0141 0.0016
 Saturn -95161-08-11 12:27 J -33035909.26 -33035908.98 -33035908.70 0.0277 0.0091
 Neptune -95151-11-24 07:39 J -33032152.38 -33032152.18 -33032151.91 0.0089 0.0062
 Neptune -95149-10-19 21:49 J -33031456.90 -33031456.59 -33031456.25 0.0089 0.0014
 Neptune -95147-09-15 09:06 J -33030761.14 -33030761.12 -33030761.06 0.0089 0.0088
 Saturn -95147-10-23 11:30 J -33030723.31 -33030723.02 -33030722.72 0.0282 0.0038
 Saturn -95133-09-29 10:03 J -33025633.29 -33025633.08 -33025632.86 0.0275 0.0182
 Saturn -95131-10-01 04:47 J -33024901.43 -33024901.30 -33024901.15 0.0277 0.0243
 Uranus -95125-06-29 08:08 J -33022803.30 -33022803.16 -33022802.96 0.0137 0.0116
 Uranus -95123-06-03 01:54 J -33022099.67 -33022099.42 -33022099.15 0.0138 0.0084
 Saturn -95119-12-07 01:54 J -33020451.46 -33020451.42 -33020451.36 0.0283 0.0279
 Saturn -95117-12-11 11:59 J -33019716.20 -33019716.00 -33019715.77 0.0282 0.0188
 Jupiter -95113-08-25 18:56 J -33018362.85 -33018362.71 -33018362.55 0.0485 0.0406
 Saturn -95103-11-17 05:01 J -33014627.58 -33014627.29 -33014627.00 0.0276 0.0047
 Jupiter -95095-06-08 04:32 J -33011867.57 -33011867.31 -33011867.04 0.0542 0.0158
 Saturn -95088-01-26 14:08 J -33009443.17 -33009442.91 -33009442.63 0.0283 0.0117
 Uranus -95086-02-20 14:51 J -33008687.90 -33008687.88 -33008687.82 0.0142 0.0141
 Uranus -95084-01-22 07:25 J -33007986.45 -33007986.19 -33007985.91 0.0141 0.0058
 Jupiter -95077-05-30 16:32 J -33005301.05 -33005300.81 -33005300.55 0.0486 0.0216
 Saturn -95072-01-05 10:18 J -33003620.33 -33003620.07 -33003619.79 0.0276 0.0103
 Neptune -95069-08-11 07:54 J -33002306.21 -33002306.17 -33002306.06 0.0088 0.0086

Neptune -95067-07-06 10:47 J -33001612.33 -33001612.05 -33001611.74 0.0088 0.0019

Neptune -95065-05-30 14:51 J -33000918.12 -33000917.88 -33000917.62 0.0088 0.0050

Saturn -95058-03-18 06:56 J -32998435.50 -32998435.21 -32998434.92 0.0282 0.0042

Saturn -95044-02-22 08:08 J -32993345.37 -32993345.16 -32993344.94 0.0276 0.0177

Saturn -95042-02-24 00:42 J -32992613.59 -32992613.47 -32992613.32 0.0277 0.0248

Uranus -95040-02-22 22:47 J -32991883.84 -32991883.55 -32991883.23 0.0137 0.0040

Saturn -95030-05-02 02:51 J -32988163.45 -32988163.38 -32988163.30 0.0283 0.0274

Saturn -95028-05-06 17:01 J -32987427.99 -32987427.79 -32987427.57 0.0282 0.0193

Saturn -95014-04-13 05:01 J -32982338.57 -32982338.29 -32982338.00 0.0276 0.0032

Uranus -95002-10-16 15:06 J -32977769.12 -32977768.87 -32977768.60 0.0142 0.0066

95TH MILLENNIUM BCE

This is a list of transits of Mars in the 95th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-95000-06-21 11:59 J	-32977155.27	-32977155.00	-32977154.72	0.0283	0.0110		
Uranus	-95000-09-17 02:23 J	-32977067.50	-32977067.40	-32977067.26	0.0141	0.0128		
Neptune	-94985-06-02 19:39 J	-32971694.98	-32971694.68	-32971694.34	0.0089	0.0021		
Saturn	-94984-05-31 08:23 J	-32971332.41	-32971332.15	-32971331.87	0.0277	0.0109		
Neptune	-94983-04-29 08:37 J	-32970999.37	-32970999.14	-32970998.86	0.0089	0.0055		
Jupiter	-94977-11-25 12:27 J	-32968597.12	-32968596.98	-32968596.82	0.0543	0.0452		
Saturn	-94970-08-11 09:20 J	-32966147.40	-32966147.11	-32966146.82	0.0282	0.0048		
Jupiter	-94959-11-20 06:42 J	-32962028.48	-32962028.22	-32962027.96	0.0486	0.0165		
Saturn	-94956-07-19 11:30 J	-32961056.24	-32961056.02	-32961055.78	0.0276	0.0161		

Uranus	-94956-10-19 11:59 J	-32960964.30	-32960964.00	-32960963.68	0.0138	0.0036
Saturn	-94954-07-21 04:03 J	-32960324.40	-32960324.33	-32960324.23	0.0277	0.0264
Saturn	-94942-09-25 07:54 J	-32955875.26	-32955875.17	-32955875.05	0.0283	0.0264
Jupiter	-94941-09-01 10:32 J	-32955533.23	-32955533.06	-32955532.89	0.0542	0.0425
Saturn	-94940-09-29 21:35 J	-32955139.80	-32955139.60	-32955139.39	0.0282	0.0200
Saturn	-94926-09-06 06:42 J	-32950050.50	-32950050.22	-32950049.93	0.0276	0.0025
Jupiter	-94923-08-24 21:35 J	-32948966.72	-32948966.60	-32948966.48	0.0487	0.0436
Uranus	-94917-06-10 15:35 J	-32946850.14	-32946849.85	-32946849.55	0.0141	0.0008
Saturn	-94912-11-14 15:49 J	-32944867.11	-32944866.84	-32944866.55	0.0283	0.0103
Neptune	-94903-02-18 10:03 J	-32941849.33	-32941849.08	-32941848.83	0.0088	0.0049
Neptune	-94901-01-13 12:27 J	-32941155.26	-32941154.98	-32941154.67	0.0088	0.0020
Neptune	-94900-12-07 17:01 J	-32940460.80	-32940460.79	-32940460.72	0.0088	0.0088
Saturn	-94896-10-25 16:18 J	-32939043.07	-32939042.82	-32939042.55	0.0277	0.0127
Saturn	-94881-01-04 21:35 J	-32933858.88	-32933858.60	-32933858.30	0.0282	0.0060
Uranus	-94873-07-11 11:30 J	-32930748.25	-32930748.02	-32930747.76	0.0137	0.0086
Uranus	-94871-06-15 03:06 J	-32930044.53	-32930044.37	-32930044.16	0.0138	0.0113
Saturn	-94868-12-12 17:44 J	-32928767.99	-32928767.76	-32928767.52	0.0276	0.0153
Saturn	-94866-12-14 09:35 J	-32928036.14	-32928036.10	-32928036.04	0.0277	0.0272
Saturn	-94853-02-18 13:54 J	-32923587.04	-32923586.92	-32923586.78	0.0283	0.0256
Saturn	-94851-02-23 06:13 J	-32922851.43	-32922851.24	-32922851.05	0.0282	0.0210
Saturn	-94837-01-31 16:47 J	-32917761.09	-32917760.80	-32917760.51	0.0276	0.0006
Uranus	-94834-03-04 19:25 J	-32916632.83	-32916632.69	-32916632.50	0.0142	0.0119
Uranus	-94832-02-03 13:39 J	-32915931.17	-32915930.93	-32915930.68	0.0141	0.0078
Saturn	-94823-04-10 13:39 J	-32912578.20	-32912577.93	-32912577.64	0.0283	0.0088
Jupiter	-94822-02-19 07:11 J	-32912263.45	-32912263.20	-32912262.95	0.0543	0.0220
Neptune	-94821-01-15 18:13 J	-32911932.96	-32911932.74	-32911932.44	0.0089	0.0056
Neptune	-94820-12-11 10:47 J	-32911237.36	-32911237.05	-32911236.72	0.0089	0.0021
Saturn	-94809-03-20 17:01 J	-32907484.81	-32907484.79	-32907484.76	0.0275	0.0274
Saturn	-94807-03-21 02:08 J	-32906754.65	-32906754.41	-32906754.14	0.0277	0.0138
Jupiter	-94804-02-13 04:47 J	-32905694.57	-32905694.30	-32905694.02	0.0486	0.0038

Saturn -94793-05-30 09:06 J -32901570.40 -32901570.12 -32901569.83 0.0282 0.0070
 Uranus -94788-03-06 22:18 J -32899828.89 -32899828.57 -32899828.25 0.0137 0.0012
 Saturn -94779-05-09 05:30 J -32896478.52 -32896478.27 -32896478.01 0.0276 0.0134
 Saturn -94765-07-15 00:13 J -32891297.65 -32891297.49 -32891297.33 0.0283 0.0238
 Saturn -94763-07-20 11:15 J -32890562.19 -32890562.03 -32890561.84 0.0282 0.0226
 Uranus -94750-10-28 21:49 J -32885713.86 -32885713.59 -32885713.30 0.0142 0.0044
 Saturn -94749-06-26 08:08 J -32885472.45 -32885472.16 -32885471.87 0.0276 0.0005
 Neptune -94740-10-03 14:23 J -32882086.01 -32882085.90 -32882085.74 0.0088 0.0079
 Neptune -94738-08-28 15:06 J -32881392.16 -32881391.87 -32881391.56 0.0088 0.0011
 Neptune -94736-07-22 17:15 J -32880697.99 -32880697.78 -32880697.53 0.0088 0.0058
 Saturn -94735-09-04 06:42 J -32880289.50 -32880289.22 -32880288.93 0.0283 0.0076
 Saturn -94721-08-15 04:18 J -32875195.42 -32875195.32 -32875195.21 0.0276 0.0256
 Saturn -94719-08-15 18:42 J -32874464.96 -32874464.72 -32874464.48 0.0277 0.0158
 Uranus -94706-11-28 00:42 J -32869612.53 -32869612.47 -32869612.34 0.0137 0.0131
 Saturn -94705-10-25 01:39 J -32869280.70 -32869280.43 -32869280.14 0.0282 0.0089
 Uranus -94704-10-31 11:15 J -32868909.30 -32868909.03 -32868908.73 0.0138 0.0064
 Pluto -94691-01-03 16:18 J -32864461.82 -32864461.82 -32864461.78 0.0066 0.0066
 Saturn -94691-10-03 02:23 J -32864189.66 -32864189.40 -32864189.14 0.0276 0.0123
 Jupiter -94686-08-05 01:11 J -32862422.61 -32862422.45 -32862422.27 0.0485 0.0382
 Saturn -94677-12-08 20:23 J -32859008.81 -32859008.65 -32859008.45 0.0283 0.0226
 Saturn -94675-12-14 09:20 J -32858273.26 -32858273.11 -32858272.96 0.0282 0.0240
 Jupiter -94668-05-14 23:15 J -32855929.80 -32855929.53 -32855929.26 0.0542 0.0005
 Uranus -94665-06-22 19:54 J -32854794.95 -32854794.67 -32854794.37 0.0141 0.0028
 Saturn -94661-11-20 22:47 J -32853182.83 -32853182.55 -32853182.25 0.0277 0.0025
 Neptune -94656-07-25 10:03 J -32851475.39 -32851475.08 -32851474.74 0.0089 0.0013
 Neptune -94654-06-21 01:11 J -32850779.65 -32850779.45 -32850779.20 0.0089 0.0064
 Jupiter -94650-05-09 18:27 J -32849360.97 -32849360.73 -32849360.48 0.0486 0.0226
 Saturn -94646-01-30 08:37 J -32847999.43 -32847999.14 -32847998.84 0.0283 0.0055
 Saturn -94632-01-09 04:32 J -32842906.43 -32842906.31 -32842906.17 0.0275 0.0246
 Saturn -94630-01-09 17:44 J -32842175.99 -32842175.76 -32842175.52 0.0277 0.0171

Uranus -94621-07-23 09:20 J -32838693.40 -32838693.11 -32838692.82 0.0137 0.0058
 Saturn -94616-03-21 00:56 J -32836991.73 -32836991.46 -32836991.18 0.0282 0.0104
 Saturn -94602-02-27 12:56 J -32831900.22 -32831899.96 -32831899.69 0.0277 0.0106
 Saturn -94588-05-06 01:54 J -32826718.62 -32826718.42 -32826718.20 0.0283 0.0204
 Saturn -94586-05-11 10:32 J -32825983.16 -32825983.06 -32825982.94 0.0282 0.0260
 Uranus -94582-03-16 23:15 J -32824577.74 -32824577.53 -32824577.30 0.0142 0.0096
 Uranus -94580-02-15 17:30 J -32823875.95 -32823875.77 -32823875.54 0.0141 0.0099
 Neptune -94574-04-12 19:25 J -32821628.94 -32821628.69 -32821628.41 0.0088 0.0041
 Neptune -94572-03-06 21:06 J -32820934.91 -32820934.62 -32820934.33 0.0088 0.0028
 Saturn -94572-04-17 00:56 J -32820893.74 -32820893.46 -32820893.16 0.0276 0.0037
 Saturn -94558-06-26 05:59 J -32815710.54 -32815710.25 -32815709.95 0.0283 0.0041
 Saturn -94544-06-05 11:15 J -32810617.17 -32810617.03 -32810616.86 0.0276 0.0231
 Saturn -94542-06-06 04:32 J -32809886.52 -32809886.31 -32809886.09 0.0277 0.0188
 Uranus -94536-03-18 18:27 J -32807774.04 -32807773.73 -32807773.40 0.0137 0.0014
 Jupiter -94532-10-28 12:27 J -32806089.23 -32806088.98 -32806088.72 0.0485 0.0197
 Saturn -94528-08-16 04:03 J -32804701.59 -32804701.33 -32804701.06 0.0282 0.0123
 Saturn -94514-07-24 17:59 J -32799611.01 -32799610.75 -32799610.47 0.0276 0.0094
 Jupiter -94514-08-08 15:06 J -32799596.11 -32799595.87 -32799595.62 0.0543 0.0232
 Saturn -94500-09-29 21:06 J -32794429.83 -32794429.62 -32794429.39 0.0283 0.0192
 Saturn -94498-10-05 06:56 J -32793694.28 -32793694.21 -32793694.13 0.0282 0.0272
 Uranus -94498-11-09 20:51 J -32793658.91 -32793658.63 -32793658.33 0.0142 0.0025
 Jupiter -94496-08-02 08:23 J -32793027.30 -32793027.15 -32793027.00 0.0486 0.0409
 Neptune -94492-03-08 11:01 J -32791713.31 -32791713.04 -32791712.75 0.0089 0.0046
 Neptune -94490-02-02 04:03 J -32791017.63 -32791017.33 -32791017.01 0.0089 0.0031
 Saturn -94484-09-11 05:30 J -32788604.55 -32788604.27 -32788603.98 0.0277 0.0051
 Saturn -94470-11-21 06:42 J -32783420.51 -32783420.22 -32783419.92 0.0283 0.0023
 Saturn -94456-10-30 17:30 J -32778327.93 -32778327.77 -32778327.59 0.0275 0.0219
 Saturn -94454-10-31 06:56 J -32777597.40 -32777597.21 -32777596.99 0.0276 0.0200
 Uranus -94454-12-09 18:42 J -32777557.90 -32777557.72 -32777557.50 0.0136 0.0106
 Uranus -94452-11-12 02:51 J -32776854.60 -32776854.38 -32776854.10 0.0138 0.0087

Pluto -94443-04-12 06:42 J -32773781.52 -32773781.22 -32773780.89 0.0065 0.0010
 Saturn -94439-01-09 19:54 J -32772412.92 -32772412.67 -32772412.40 0.0282 0.0134
 Saturn -94426-12-18 14:51 J -32767322.15 -32767321.88 -32767321.60 0.0276 0.0082
 Uranus -94413-07-04 18:13 J -32762740.01 -32762739.74 -32762739.45 0.0141 0.0046
 Saturn -94411-02-24 14:23 J -32762140.13 -32762139.90 -32762139.66 0.0283 0.0176
 Neptune -94411-11-26 01:25 J -32761865.59 -32761865.44 -32761865.23 0.0088 0.0070
 Neptune -94409-10-20 02:23 J -32761171.70 -32761171.40 -32761171.10 0.0088 0.0002
 Neptune -94407-09-14 04:18 J -32760477.49 -32760477.32 -32760477.11 0.0088 0.0068
 Jupiter -94395-01-25 12:13 J -32756326.16 -32756325.99 -32756325.81 0.0544 0.0414
 Saturn -94395-02-05 07:54 J -32756315.45 -32756315.17 -32756314.88 0.0276 0.0063
 Saturn -94381-04-15 15:35 J -32751132.15 -32751131.85 -32751131.55 0.0283 0.0014
 Jupiter -94377-01-22 07:39 J -32749755.46 -32749755.18 -32749754.90 0.0485 0.0003
 Uranus -94369-08-03 23:15 J -32746638.83 -32746638.53 -32746638.21 0.0137 0.0036
 Saturn -94367-03-26 07:54 J -32746039.35 -32746039.17 -32746038.98 0.0276 0.0209
 Saturn -94365-03-25 22:03 J -32745308.77 -32745308.58 -32745308.39 0.0277 0.0208
 Jupiter -94360-11-01 13:39 J -32743262.05 -32743261.93 -32743261.81 0.0542 0.0480
 Pluto -94356-08-19 03:06 J -32741875.52 -32741875.37 -32741875.19 0.0078 0.0067
 Saturn -94351-06-06 04:47 J -32740123.55 -32740123.30 -32740123.04 0.0282 0.0147
 Saturn -94337-05-13 17:15 J -32735033.06 -32735032.78 -32735032.50 0.0275 0.0069
 Uranus -94330-03-28 18:27 J -32732522.98 -32732522.73 -32732522.49 0.0142 0.0079
 Neptune -94329-10-20 10:47 J -32731951.15 -32731951.05 -32731950.87 0.0089 0.0081
 Uranus -94328-02-27 14:23 J -32731821.05 -32731820.90 -32731820.70 0.0141 0.0114
 Neptune -94327-09-16 06:42 J -32731255.55 -32731255.22 -32731254.89 0.0089 0.0002
 Neptune -94325-08-11 22:03 J -32730559.72 -32730559.58 -32730559.38 0.0089 0.0076
 Saturn -94323-07-20 17:15 J -32729852.01 -32729851.78 -32729851.53 0.0283 0.0170
 Saturn -94307-07-01 16:47 J -32724027.08 -32724026.80 -32724026.52 0.0276 0.0070
 Saturn -94293-09-09 14:23 J -32718843.20 -32718842.90 -32718842.60 0.0283 0.0004
 Uranus -94284-03-30 04:47 J -32715719.60 -32715719.30 -32715718.98 0.0137 0.0035
 Saturn -94279-08-20 10:18 J -32713750.25 -32713750.07 -32713749.86 0.0275 0.0196
 Saturn -94277-08-19 20:37 J -32713019.80 -32713019.64 -32713019.45 0.0276 0.0220

Saturn -94263-10-30 04:03 J -32707835.57 -32707835.33 -32707835.07 0.0283 0.0152
 Jupiter -94259-07-13 09:35 J -32706483.25 -32706483.10 -32706482.93 0.0484 0.0398
 Saturn -94249-10-06 21:06 J -32702744.89 -32702744.62 -32702744.33 0.0276 0.0064
 Uranus -94246-11-21 17:30 J -32701604.07 -32701603.77 -32701603.47 0.0142 0.0007
 Neptune -94245-06-04 09:49 J -32701408.35 -32701408.09 -32701407.79 0.0088 0.0030
 Neptune -94243-04-29 09:35 J -32700714.35 -32700714.10 -32700713.81 0.0088 0.0039
 Jupiter -94241-04-20 23:15 J -32699991.79 -32699991.53 -32699991.27 0.0543 0.0129
 Saturn -94235-12-14 06:13 J -32697563.48 -32697563.24 -32697562.98 0.0283 0.0161
 Jupiter -94223-04-17 12:13 J -32693421.22 -32693420.99 -32693420.74 0.0485 0.0233
 Saturn -94219-11-25 16:18 J -32691738.10 -32691737.82 -32691737.55 0.0276 0.0083
 Saturn -94204-02-02 10:18 J -32686555.36 -32686555.07 -32686554.77 0.0283 0.0004
 Uranus -94202-12-21 05:01 J -32685503.53 -32685503.29 -32685503.03 0.0137 0.0084
 Uranus -94200-11-23 11:59 J -32684800.20 -32684800.00 -32684799.79 0.0138 0.0105
 Pluto -94195-07-19 19:39 J -32683100.88 -32683100.68 -32683100.45 0.0065 0.0048
 Saturn -94190-01-13 10:32 J -32681462.26 -32681462.06 -32681461.85 0.0275 0.0190
 Saturn -94188-01-12 19:25 J -32680731.84 -32680731.69 -32680731.50 0.0276 0.0224
 Saturn -94174-03-25 12:13 J -32675547.22 -32675546.99 -32675546.74 0.0283 0.0159
 Neptune -94163-04-30 08:08 J -32671493.46 -32671493.16 -32671492.85 0.0089 0.0035
 Uranus -94163-08-14 11:44 J -32671387.09 -32671387.01 -32671386.87 0.0142 0.0133
 Neptune -94161-03-26 02:51 J -32670797.66 -32670797.38 -32670797.09 0.0089 0.0044
 Uranus -94161-07-16 15:06 J -32670685.13 -32670684.87 -32670684.60 0.0141 0.0063
 Saturn -94160-03-02 19:54 J -32670455.95 -32670455.67 -32670455.38 0.0275 0.0050
 Saturn -94146-05-09 00:56 J -32665275.70 -32665275.46 -32665275.20 0.0283 0.0156
 Saturn -94130-04-20 12:27 J -32659450.25 -32659449.98 -32659449.70 0.0276 0.0088
 Uranus -94117-08-15 08:08 J -32654584.47 -32654584.16 -32654583.83 0.0137 0.0016
 Saturn -94116-06-28 11:59 J -32654267.30 -32654267.00 -32654266.70 0.0283 0.0007
 Pluto -94108-11-25 01:54 J -32651195.70 -32651195.42 -32651195.10 0.0079 0.0026
 Jupiter -94105-10-06 20:51 J -32650148.90 -32650148.63 -32650148.36 0.0485 0.0151
 Saturn -94102-06-09 10:32 J -32649173.27 -32649173.06 -32649172.83 0.0275 0.0176
 Saturn -94100-06-08 17:59 J -32648442.88 -32648442.75 -32648442.58 0.0276 0.0239

Jupiter -94087-07-16 05:30 J -32643657.53 -32643657.27 -32643657.01 0.0544 0.0138
 Saturn -94086-08-18 10:03 J -32643259.31 -32643259.08 -32643258.83 0.0283 0.0164
 Neptune -94081-01-18 19:11 J -32641644.90 -32641644.70 -32641644.45 0.0088 0.0058
 Neptune -94080-12-12 17:59 J -32640951.04 -32640950.75 -32640950.45 0.0088 0.0010
 Uranus -94078-04-09 13:11 J -32640468.20 -32640467.95 -32640467.66 0.0142 0.0060
 Neptune -94078-11-06 18:13 J -32640256.85 -32640256.74 -32640256.60 0.0088 0.0080
 Uranus -94076-03-11 11:01 J -32639766.13 -32639766.04 -32639765.91 0.0141 0.0130
 Saturn -94072-07-26 17:30 J -32638168.04 -32638167.77 -32638167.48 0.0275 0.0045
 Jupiter -94069-07-11 17:59 J -32637086.82 -32637086.75 -32637086.66 0.0485 0.0462
 Saturn -94058-10-02 00:42 J -32632987.72 -32632987.47 -32632987.21 0.0283 0.0149
 Saturn -94042-09-14 14:08 J -32627161.18 -32627160.91 -32627160.64 0.0276 0.0104
 Uranus -94034-05-08 11:30 J -32624368.09 -32624368.02 -32624367.91 0.0136 0.0131
 Uranus -94032-04-10 11:59 J -32623665.28 -32623665.00 -32623664.69 0.0137 0.0054
 Saturn -94028-11-21 15:06 J -32621979.17 -32621978.87 -32621978.57 0.0283 0.0015
 Saturn -94014-11-02 11:15 J -32616885.24 -32616885.03 -32616884.79 0.0275 0.0170
 Saturn -94012-11-01 17:01 J -32616154.90 -32616154.79 -32616154.64 0.0276 0.0245

94TH MILLENNIUM BCE

This is a list of transits of Mars in the 94th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Neptune -94000-12-12 08:51 J -32611731.31 -32611731.13 -32611730.90 0.0089 0.0069
 Neptune -93998-11-08 05:59 J -32611035.57 -32611035.25 -32611034.91 0.0089 0.0011
 Saturn -93997-01-11 12:13 J -32610971.21 -32610970.99 -32610970.75 0.0283 0.0173

Uranus	-93994-12-03 11:44 J	-32609549.31	-32609549.01	-32609548.71	0.0142	0.0010
Saturn	-93984-12-20 21:49 J	-32605878.87	-32605878.59	-32605878.30	0.0276	0.0027
Saturn	-93969-02-25 11:15 J	-32600699.28	-32600699.03	-32600698.76	0.0283	0.0139
Jupiter	-93968-01-02 15:06 J	-32600386.99	-32600386.87	-32600386.74	0.0544	0.0477
Saturn	-93953-02-07 16:47 J	-32594873.06	-32594872.80	-32594872.52	0.0276	0.0112
Jupiter	-93951-12-31 23:30 J	-32593814.80	-32593814.52	-32593814.24	0.0485	0.0069
Uranus	-93949-01-01 11:44 J	-32593449.28	-32593449.01	-32593448.72	0.0137	0.0065
Uranus	-93948-12-04 16:03 J	-32592745.97	-32592745.83	-32592745.68	0.0138	0.0122
Saturn	-93939-04-16 18:27 J	-32589691.03	-32589690.73	-32589690.43	0.0283	0.0025
Jupiter	-93933-10-09 05:01 J	-32587323.47	-32587323.29	-32587323.09	0.0543	0.0385
Saturn	-93925-03-28 16:47 J	-32584596.03	-32584595.80	-32584595.56	0.0276	0.0153
Saturn	-93923-03-29 01:11 J	-32583865.52	-32583865.45	-32583865.35	0.0276	0.0264
Neptune	-93918-09-03 06:56 J	-32581881.27	-32581881.21	-32581881.13	0.0088	0.0086
Neptune	-93916-07-28 04:47 J	-32581187.59	-32581187.30	-32581187.00	0.0088	0.0018
Neptune	-93914-06-22 03:06 J	-32580493.59	-32580493.37	-32580493.11	0.0088	0.0052
Uranus	-93911-08-26 04:03 J	-32579332.49	-32579332.33	-32579332.13	0.0142	0.0115
Saturn	-93909-06-06 05:59 J	-32578682.47	-32578682.25	-32578682.02	0.0283	0.0185
Uranus	-93909-07-28 07:25 J	-32578630.44	-32578630.19	-32578629.95	0.0141	0.0078
Saturn	-93895-05-16 06:13 J	-32573590.52	-32573590.24	-32573589.95	0.0275	0.0018
Saturn	-93881-07-20 17:59 J	-32568411.01	-32568410.75	-32568410.47	0.0283	0.0129
Saturn	-93867-07-05 21:20 J	-32563312.64	-32563312.61	-32563312.57	0.0276	0.0273
Saturn	-93865-07-04 03:35 J	-32562583.60	-32562583.35	-32562583.09	0.0276	0.0131
Uranus	-93865-08-26 11:44 J	-32562530.32	-32562530.01	-32562529.69	0.0137	0.0002
Saturn	-93851-09-10 23:59 J	-32557401.79	-32557401.50	-32557401.20	0.0283	0.0040
Saturn	-93837-08-22 07:11 J	-32552307.43	-32552307.20	-32552306.95	0.0275	0.0144
Saturn	-93835-08-22 14:08 J	-32551576.91	-32551576.91	-32551576.86	0.0276	0.0276
Neptune	-93834-06-22 06:56 J	-32551273.52	-32551273.21	-32551272.87	0.0089	0.0023
Neptune	-93832-05-18 02:51 J	-32550577.61	-32550577.38	-32550577.11	0.0089	0.0057
Jupiter	-93832-06-21 17:30 J	-32550542.96	-32550542.77	-32550542.57	0.0484	0.0347
Uranus	-93826-04-21 04:18 J	-32548413.60	-32548413.32	-32548413.03	0.0142	0.0044

Saturn -93821-10-30 19:39 J -32546393.88 -32546393.68 -32546393.46 0.0283 0.0198
 Jupiter -93814-03-29 11:01 J -32544053.27 -32544053.04 -32544052.80 0.0543 0.0242
 Saturn -93807-10-10 17:44 J -32541301.05 -32541300.76 -32541300.47 0.0276 0.0002
 Jupiter -93796-03-26 17:59 J -32537480.98 -32537480.75 -32537480.52 0.0485 0.0276
 Saturn -93793-12-15 11:15 J -32536121.30 -32536121.03 -32536120.75 0.0283 0.0110
 Uranus -93782-05-19 14:08 J -32532314.07 -32532313.91 -32532313.72 0.0136 0.0114
 Uranus -93780-04-21 11:59 J -32531611.26 -32531611.00 -32531610.70 0.0137 0.0069
 Saturn -93779-11-29 17:01 J -32531023.86 -32531023.79 -32531023.70 0.0275 0.0263
 Saturn -93777-11-27 22:32 J -32530294.80 -32530294.56 -32530294.30 0.0276 0.0143
 Saturn -93762-02-04 17:59 J -32525113.04 -32525112.75 -32525112.45 0.0283 0.0054
 Neptune -93752-03-12 14:23 J -32521424.14 -32521423.90 -32521423.64 0.0088 0.0046
 Neptune -93750-02-04 12:42 J -32520730.25 -32520729.97 -32520729.68 0.0088 0.0023
 Saturn -93748-01-16 16:32 J -32520018.05 -32520017.81 -32520017.55 0.0276 0.0127
 Uranus -93742-12-15 02:37 J -32517494.68 -32517494.39 -32517494.09 0.0142 0.0025
 Saturn -93734-03-21 12:42 J -32514841.07 -32514840.97 -32514840.85 0.0283 0.0264
 Saturn -93732-03-27 17:01 J -32514103.97 -32514103.79 -32514103.59 0.0283 0.0217
 Saturn -93718-03-06 17:15 J -32509012.06 -32509011.78 -32509011.49 0.0276 0.0013
 Saturn -93704-05-11 06:13 J -32503832.52 -32503832.24 -32503831.95 0.0283 0.0097
 Uranus -93697-01-12 12:56 J -32501395.24 -32501394.96 -32501394.65 0.0137 0.0048
 Pluto -93697-12-23 22:18 J -32501048.75 -32501048.57 -32501048.33 0.0066 0.0049
 Uranus -93696-12-15 16:18 J -32500691.84 -32500691.82 -32500691.78 0.0138 0.0137
 Saturn -93690-04-26 00:42 J -32498734.57 -32498734.47 -32498734.34 0.0276 0.0250
 Saturn -93688-04-24 10:47 J -32498005.28 -32498005.05 -32498004.80 0.0277 0.0161
 Jupiter -93678-09-15 05:01 J -32494209.56 -32494209.29 -32494209.02 0.0484 0.0155
 Saturn -93674-07-02 20:51 J -32492822.91 -32492822.63 -32492822.34 0.0283 0.0074
 Neptune -93670-02-03 07:54 J -32491511.39 -32491511.17 -32491510.88 0.0089 0.0057
 Neptune -93669-12-30 06:56 J -32490815.53 -32490815.21 -32490814.88 0.0089 0.0024
 Saturn -93660-06-12 20:51 J -32487728.88 -32487728.63 -32487728.37 0.0275 0.0114
 Jupiter -93660-06-22 03:06 J -32487719.63 -32487719.37 -32487719.10 0.0544 0.0017
 Uranus -93659-09-06 18:56 J -32487277.91 -32487277.71 -32487277.48 0.0142 0.0098

Uranus -93657-08-09 00:27 J -32486575.68 -32486575.48 -32486575.23 0.0141 0.0094
 Saturn -93646-08-15 09:49 J -32482552.21 -32482552.09 -32482551.93 0.0283 0.0251
 Saturn -93644-08-21 14:23 J -32481815.06 -32481814.90 -32481814.72 0.0282 0.0231
 Jupiter -93642-06-20 05:59 J -32481147.33 -32481147.25 -32481147.16 0.0485 0.0461
 Saturn -93630-08-01 01:25 J -32476722.72 -32476722.44 -32476722.15 0.0276 0.0028
 Saturn -93616-10-06 12:13 J -32471542.28 -32471541.99 -32471541.70 0.0283 0.0076
 Uranus -93613-09-06 12:42 J -32470476.28 -32470475.97 -32470475.65 0.0137 0.0018
 Saturn -93602-09-20 08:08 J -32466445.30 -32466445.16 -32466445.02 0.0275 0.0236
 Saturn -93600-09-18 15:35 J -32465716.06 -32465715.85 -32465715.62 0.0276 0.0174
 Neptune -93589-10-26 03:06 J -32461660.49 -32461660.37 -32461660.18 0.0088 0.0075
 Neptune -93587-09-19 23:30 J -32460966.81 -32460966.52 -32460966.21 0.0088 0.0006
 Saturn -93586-11-26 17:30 J -32460534.05 -32460533.77 -32460533.48 0.0283 0.0087
 Neptune -93585-08-13 21:35 J -32460272.79 -32460272.60 -32460272.39 0.0088 0.0065
 Uranus -93574-05-02 20:51 J -32456358.92 -32456358.63 -32456358.33 0.0142 0.0027
 Saturn -93572-11-06 23:15 J -32455439.79 -32455439.53 -32455439.26 0.0276 0.0102
 Saturn -93557-01-10 13:25 J -32450262.10 -32450261.94 -32450261.76 0.0283 0.0231
 Saturn -93555-01-16 16:47 J -32449524.92 -32449524.80 -32449524.65 0.0283 0.0249
 Saturn -93542-12-26 06:56 J -32444433.49 -32444433.21 -32444432.92 0.0275 0.0042
 Uranus -93530-05-30 18:27 J -32440259.94 -32440259.73 -32440259.49 0.0136 0.0094
 Uranus -93528-05-02 15:49 J -32439557.08 -32439556.84 -32439556.58 0.0137 0.0086
 Saturn -93527-03-02 05:15 J -32439253.58 -32439253.28 -32439252.99 0.0283 0.0064
 Jupiter -93524-12-08 18:56 J -32437875.99 -32437875.71 -32437875.43 0.0484 0.0034
 Saturn -93513-02-14 04:03 J -32434156.48 -32434156.33 -32434156.16 0.0276 0.0225
 Saturn -93511-02-12 13:39 J -32433427.13 -32433426.93 -32433426.71 0.0276 0.0186
 Jupiter -93506-09-15 19:25 J -32431385.93 -32431385.69 -32431385.44 0.0543 0.0210
 Neptune -93505-08-13 07:11 J -32431053.53 -32431053.20 -32431052.87 0.0089 0.0009
 Neptune -93503-07-10 04:18 J -32430357.50 -32430357.32 -32430357.10 0.0089 0.0072
 Saturn -93497-04-22 13:25 J -32428244.22 -32428243.94 -32428243.66 0.0283 0.0104
 Uranus -93490-12-26 20:23 J -32425439.92 -32425439.65 -32425439.35 0.0142 0.0043
 Saturn -93483-04-03 04:47 J -32423150.56 -32423150.30 -32423150.02 0.0275 0.0087

Saturn -93469-06-05 00:56 J -32417973.65 -32417973.46 -32417973.26 0.0283 0.0221
 Saturn -93467-06-12 04:47 J -32417236.40 -32417236.30 -32417236.16 0.0283 0.0259
 Saturn -93453-05-20 22:32 J -32412144.84 -32412144.56 -32412144.28 0.0276 0.0051
 Pluto -93448-04-01 04:32 J -32410368.59 -32410368.31 -32410367.98 0.0065 0.0021
 Uranus -93445-01-23 17:44 J -32409341.06 -32409340.76 -32409340.44 0.0136 0.0030
 Saturn -93439-07-27 15:49 J -32406964.13 -32406963.84 -32406963.54 0.0283 0.0049
 Saturn -93425-07-10 10:32 J -32401867.23 -32401867.06 -32401866.87 0.0275 0.0210
 Neptune -93423-05-05 11:30 J -32401203.28 -32401203.02 -32401202.74 0.0088 0.0034
 Saturn -93423-07-09 16:47 J -32401138.00 -32401137.80 -32401137.60 0.0275 0.0199
 Neptune -93421-03-29 07:39 J -32400509.43 -32400509.18 -32400508.89 0.0088 0.0036
 Saturn -93409-09-15 19:54 J -32395955.94 -32395955.67 -32395955.39 0.0283 0.0113
 Uranus -93407-09-18 11:59 J -32395223.23 -32395223.00 -32395222.73 0.0142 0.0079
 Jupiter -93405-05-29 09:49 J -32394604.25 -32394604.09 -32394603.91 0.0484 0.0385
 Uranus -93405-08-20 18:27 J -32394520.89 -32394520.73 -32394520.52 0.0141 0.0111
 Saturn -93395-08-27 15:35 J -32390862.11 -32390861.85 -32390861.57 0.0276 0.0079
 Jupiter -93387-03-05 10:03 J -32388115.25 -32388115.08 -32388114.89 0.0544 0.0395
 Saturn -93381-10-30 00:42 J -32385684.67 -32385684.47 -32385684.26 0.0283 0.0208
 Saturn -93379-11-06 07:54 J -32384947.24 -32384947.17 -32384947.07 0.0283 0.0271
 Jupiter -93369-03-03 18:13 J -32381541.97 -32381541.74 -32381541.49 0.0484 0.0255
 Saturn -93365-10-15 01:39 J -32379855.71 -32379855.43 -32379855.15 0.0275 0.0066
 Pluto -93361-08-07 08:08 J -32378463.43 -32378463.16 -32378462.85 0.0078 0.0028
 Uranus -93361-09-17 17:44 J -32378422.05 -32378421.76 -32378421.44 0.0137 0.0036
 Jupiter -93352-12-09 21:35 J -32375051.74 -32375051.60 -32375051.46 0.0544 0.0465
 Saturn -93351-12-20 17:30 J -32374676.07 -32374675.77 -32374675.47 0.0283 0.0042
 Neptune -93341-03-27 06:13 J -32371291.52 -32371291.24 -32371290.94 0.0089 0.0044
 Neptune -93339-02-21 05:01 J -32370595.57 -32370595.29 -32370594.96 0.0089 0.0038
 Saturn -93337-12-03 16:32 J -32369579.00 -32369578.81 -32369578.62 0.0275 0.0203
 Saturn -93335-12-02 21:49 J -32368849.78 -32368849.59 -32368849.39 0.0276 0.0205
 Uranus -93322-05-14 14:37 J -32364304.19 -32364303.89 -32364303.59 0.0142 0.0008
 Saturn -93320-02-09 12:42 J -32363667.24 -32363666.97 -32363666.70 0.0283 0.0124

Saturn -93306-01-21 17:44 J -32358573.03 -32358572.76 -32358572.48 0.0275 0.0063
 Saturn -93292-03-24 21:49 J -32353396.81 -32353396.59 -32353396.38 0.0284 0.0201
 Saturn -93290-04-01 06:27 J -32352659.28 -32352659.23 -32352659.16 0.0283 0.0276
 Uranus -93278-06-10 23:44 J -32348205.76 -32348205.51 -32348205.25 0.0136 0.0076
 Saturn -93276-03-10 02:08 J -32347567.68 -32347567.41 -32347567.13 0.0275 0.0072
 Uranus -93276-05-13 17:44 J -32347502.95 -32347502.76 -32347502.52 0.0137 0.0101
 Saturn -93262-05-15 23:59 J -32342387.80 -32342387.50 -32342387.20 0.0283 0.0033
 Neptune -93260-12-18 22:18 J -32341439.76 -32341439.57 -32341439.35 0.0088 0.0063
 Neptune -93258-11-12 18:56 J -32340746.00 -32340745.71 -32340745.41 0.0088 0.0007
 Neptune -93256-10-06 16:03 J -32340051.94 -32340051.83 -32340051.66 0.0088 0.0078
 Jupiter -93251-08-23 18:42 J -32338269.99 -32338269.72 -32338269.45 0.0484 0.0142
 Saturn -93248-04-29 18:13 J -32337289.94 -32337289.74 -32337289.53 0.0275 0.0187
 Saturn -93246-04-28 20:51 J -32336560.79 -32336560.63 -32336560.45 0.0275 0.0220
 Uranus -93239-02-04 02:51 J -32334087.47 -32334087.38 -32334087.23 0.0143 0.0131
 Uranus -93237-01-07 16:47 J -32333385.06 -32333384.80 -32333384.52 0.0142 0.0061
 Jupiter -93233-05-29 14:51 J -32331781.14 -32331780.88 -32331780.63 0.0545 0.0140
 Saturn -93232-07-05 08:23 J -32331379.40 -32331379.15 -32331378.87 0.0283 0.0130
 Saturn -93218-06-16 17:30 J -32326285.05 -32326284.77 -32326284.49 0.0275 0.0057
 Saturn -93204-08-17 21:35 J -32321108.81 -32321108.60 -32321108.37 0.0283 0.0195
 Uranus -93193-02-03 22:32 J -32317286.87 -32317286.56 -32317286.24 0.0137 0.0013
 Saturn -93188-08-04 03:06 J -32315278.63 -32315278.37 -32315278.09 0.0275 0.0088
 Neptune -93178-11-09 03:06 J -32311529.49 -32311529.37 -32311529.18 0.0089 0.0080
 Neptune -93176-10-05 04:47 J -32310833.63 -32310833.30 -32310832.96 0.0089 0.0004
 Neptune -93174-09-01 02:23 J -32310137.46 -32310137.40 -32310137.28 0.0089 0.0085
 Saturn -93174-10-08 22:03 J -32310099.88 -32310099.58 -32310099.27 0.0284 0.0027
 Saturn -93160-09-22 17:59 J -32305001.95 -32305001.75 -32305001.53 0.0275 0.0182
 Saturn -93158-09-21 18:56 J -32304272.87 -32304272.71 -32304272.54 0.0275 0.0226
 Uranus -93155-09-30 08:23 J -32303168.41 -32303168.15 -32303167.86 0.0142 0.0059
 Uranus -93153-09-01 17:59 J -32302465.87 -32302465.75 -32302465.61 0.0141 0.0128
 Saturn -93144-11-28 08:23 J -32299091.40 -32299091.15 -32299090.88 0.0283 0.0137

Saturn -93130-11-10 19:54 J -32293995.95 -32293995.67 -32293995.39 0.0275 0.0042
 Saturn -93115-01-11 00:42 J -32288820.69 -32288820.47 -32288820.23 0.0284 0.0187
 Pluto -93113-11-13 13:11 J -32287783.13 -32287782.95 -32287782.70 0.0079 0.0057
 Uranus -93111-10-27 09:35 J -32287070.21 -32287070.10 -32287069.93 0.0136 0.0121
 Uranus -93109-09-28 21:49 J -32286367.87 -32286367.59 -32286367.28 0.0137 0.0052
 Saturn -93100-12-28 03:20 J -32282990.62 -32282990.36 -32282990.08 0.0275 0.0094
 Jupiter -93097-11-17 01:11 J -32281935.72 -32281935.45 -32281935.17 0.0484 0.0092
 Neptune -93094-06-28 06:13 J -32280982.51 -32280982.24 -32280981.94 0.0088 0.0022
 Neptune -93092-05-22 01:39 J -32280288.65 -32280288.43 -32280288.16 0.0088 0.0049
 Saturn -93085-03-02 20:23 J -32277811.95 -32277811.65 -32277811.34 0.0283 0.0020
 Jupiter -93079-08-23 18:27 J -32275446.98 -32275446.73 -32275446.46 0.0544 0.0115
 Saturn -93071-02-16 19:54 J -32272712.88 -32272712.67 -32272712.44 0.0276 0.0167
 Uranus -93070-05-26 14:37 J -32272249.18 -32272248.89 -32272248.58 0.0142 0.0013
 Saturn -93069-02-15 22:32 J -32271983.69 -32271983.56 -32271983.42 0.0275 0.0243
 Saturn -93055-04-23 16:47 J -32266803.05 -32266802.80 -32266802.54 0.0283 0.0146
 Saturn -93041-04-04 22:47 J -32261707.83 -32261707.55 -32261707.27 0.0275 0.0035
 Saturn -93027-06-05 23:30 J -32256532.75 -32256532.52 -32256532.27 0.0283 0.0180
 Uranus -93026-06-22 08:51 J -32256151.40 -32256151.13 -32256150.83 0.0136 0.0057
 Uranus -93024-05-25 00:42 J -32255448.61 -32255448.47 -32255448.28 0.0137 0.0117
 Neptune -93012-05-19 00:13 J -32251071.79 -32251071.49 -32251071.16 0.0089 0.0032
 Saturn -93011-05-24 09:06 J -32250701.39 -32250701.12 -32250700.86 0.0276 0.0111
 Neptune -93010-04-15 00:27 J -32250375.73 -32250375.48 -32250375.18 0.0089 0.0051

93RD MILLENNIUM BCE

This is a list of transits of Mars in the 93rd millennium BCE.

	FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
		TRANSIT							
		TIME							
Saturn	-92997-07-27	15:06 J	-32245523.17	-32245522.87	-32245522.57	0.0283	0.0007		
Uranus	-92987-02-16	02:37 J	-32242032.57	-32242032.39	-32242032.17	0.0143	0.0108		
Uranus	-92985-01-19	18:42 J	-32241329.96	-32241329.72	-32241329.47	0.0142	0.0081		
Saturn	-92983-07-13	03:49 J	-32240424.56	-32240424.34	-32240424.10	0.0275	0.0161		
Saturn	-92981-07-11	05:01 J	-32239695.39	-32239695.29	-32239695.16	0.0275	0.0251		
Jupiter	-92978-05-08	18:42 J	-32238663.93	-32238663.72	-32238663.51	0.0484	0.0321		
Saturn	-92967-09-16	23:01 J	-32234514.77	-32234514.54	-32234514.28	0.0283	0.0157		
Jupiter	-92960-02-10	15:06 J	-32232175.99	-32232175.87	-32232175.74	0.0544	0.0479		
Saturn	-92953-08-30	05:15 J	-32229418.57	-32229418.28	-32229418.00	0.0276	0.0019		
Jupiter	-92942-02-11	04:32 J	-32225601.52	-32225601.31	-32225601.10	0.0484	0.0320		
Uranus	-92941-02-15	08:37 J	-32225232.45	-32225232.14	-32225231.82	0.0137	0.0007		
Saturn	-92939-10-31	06:27 J	-32224243.47	-32224243.23	-32224242.97	0.0283	0.0165		
Neptune	-92930-02-10	18:13 J	-32221218.98	-32221218.74	-32221218.50	0.0088	0.0052		
Neptune	-92928-01-04	11:44 J	-32220525.28	-32220525.01	-32220524.71	0.0088	0.0019		
Jupiter	-92925-11-17	03:06 J	-32219112.55	-32219112.37	-32219112.18	0.0544	0.0387		
Saturn	-92923-10-17	21:35 J	-32218412.86	-32218412.60	-32218412.34	0.0275	0.0121		
Saturn	-92909-12-21	01:54 J	-32213234.73	-32213234.42	-32213234.12	0.0283	0.0005		
Uranus	-92903-10-12	11:15 J	-32211113.32	-32211113.03	-32211112.73	0.0142	0.0036		
Saturn	-92895-12-07	10:18 J	-32208135.31	-32208135.07	-32208134.83	0.0276	0.0145		
Saturn	-92893-12-05	16:18 J	-32207405.87	-32207405.82	-32207405.74	0.0276	0.0269		
Saturn	-92878-02-11	13:25 J	-32202225.17	-32202224.94	-32202224.70	0.0283	0.0172		
Saturn	-92864-01-23	23:15 J	-32197129.81	-32197129.53	-32197129.25	0.0275	0.0008		
Uranus	-92859-11-08	01:25 J	-32195015.63	-32195015.44	-32195015.21	0.0136	0.0099		
Uranus	-92857-10-10	10:32 J	-32194313.31	-32194313.06	-32194312.78	0.0137	0.0071		
Saturn	-92850-03-26	20:37 J	-32191954.89	-32191954.64	-32191954.37	0.0283	0.0153		
Neptune	-92849-12-30	17:01 J	-32191309.97	-32191309.79	-32191309.55	0.0089	0.0069		
Neptune	-92847-11-26	20:08 J	-32190613.97	-32190613.66	-32190613.31	0.0089	0.0015		

Saturn -92836-03-16 00:13 J -32186851.55 -32186851.49 -32186851.42 0.0276 0.0267
 Saturn -92834-03-14 07:39 J -32186123.43 -32186123.18 -32186122.93 0.0276 0.0137
 Jupiter -92824-08-01 11:30 J -32182330.30 -32182330.02 -32182329.74 0.0484 0.0113
 Saturn -92820-05-18 00:13 J -32180944.79 -32180944.49 -32180944.19 0.0283 0.0023
 Uranus -92818-06-07 17:44 J -32180194.05 -32180193.76 -32180193.47 0.0142 0.0034
 Saturn -92806-05-03 10:32 J -32175846.30 -32175846.06 -32175845.81 0.0275 0.0134
 Jupiter -92806-05-07 12:13 J -32175842.22 -32175841.99 -32175841.76 0.0544 0.0247
 Saturn -92790-07-08 08:08 J -32169936.38 -32169936.16 -32169935.93 0.0283 0.0186
 Saturn -92776-06-20 07:54 J -32164840.45 -32164840.17 -32164839.88 0.0276 0.0009
 Uranus -92774-07-03 23:01 J -32164096.84 -32164096.54 -32164096.24 0.0136 0.0038
 Uranus -92772-06-05 11:59 J -32163394.02 -32163394.00 -32163393.93 0.0137 0.0136
 Neptune -92767-09-26 05:15 J -32161455.38 -32161455.28 -32161455.16 0.0088 0.0082
 Neptune -92765-08-19 23:15 J -32160761.82 -32160761.53 -32160761.23 0.0088 0.0012
 Neptune -92763-07-14 17:01 J -32160067.99 -32160067.79 -32160067.54 0.0088 0.0059
 Saturn -92762-08-22 02:08 J -32159664.67 -32159664.41 -32159664.13 0.0283 0.0132
 Saturn -92748-08-10 05:30 J -32154562.36 -32154562.27 -32154562.15 0.0276 0.0254
 Saturn -92746-08-08 11:15 J -32153834.26 -32153834.03 -32153833.78 0.0275 0.0151
 Uranus -92735-02-28 07:39 J -32149977.41 -32149977.18 -32149976.91 0.0143 0.0084
 Uranus -92733-02-01 00:27 J -32149274.66 -32149274.48 -32149274.25 0.0142 0.0103
 Saturn -92732-10-11 21:20 J -32148655.91 -32148655.61 -32148655.31 0.0283 0.0037
 Saturn -92718-09-27 16:47 J -32143557.05 -32143556.80 -32143556.55 0.0276 0.0120
 Saturn -92702-12-03 13:39 J -32137646.13 -32137645.93 -32137645.72 0.0283 0.0207
 Uranus -92689-02-26 23:30 J -32133177.82 -32133177.52 -32133177.21 0.0136 0.0026
 Saturn -92688-11-14 15:20 J -32132551.15 -32132550.86 -32132550.58 0.0275 0.0022
 Neptune -92683-07-10 10:18 J -32130852.38 -32130852.07 -32130851.73 0.0089 0.0023
 Neptune -92681-06-05 11:44 J -32130156.22 -32130156.01 -32130155.73 0.0089 0.0061
 Saturn -92673-01-15 23:59 J -32127375.78 -32127375.50 -32127375.22 0.0283 0.0118
 Jupiter -92670-10-25 23:59 J -32125996.78 -32125996.50 -32125996.22 0.0484 0.0076
 Saturn -92659-01-04 06:27 J -32122273.34 -32122273.23 -32122273.08 0.0276 0.0243
 Saturn -92657-01-02 15:35 J -32121545.07 -32121544.85 -32121544.61 0.0276 0.0165

Jupiter -92652-07-31 02:23 J -32119508.66 -32119508.40 -32119508.14 0.0544 0.0033
 Uranus -92651-10-24 17:30 J -32119058.07 -32119057.77 -32119057.46 0.0143 0.0013
 Saturn -92643-03-09 01:11 J -32116365.74 -32116365.45 -32116365.15 0.0283 0.0058
 Saturn -92629-02-22 00:56 J -32111267.71 -32111267.46 -32111267.18 0.0275 0.0105
 Saturn -92615-04-20 11:44 J -32106096.06 -32106096.01 -32106095.93 0.0283 0.0276
 Saturn -92613-04-28 07:39 J -32105357.35 -32105357.18 -32105356.98 0.0283 0.0220
 Uranus -92607-11-19 17:15 J -32102961.03 -32102960.78 -32102960.52 0.0136 0.0078
 Uranus -92605-10-22 00:27 J -32102258.70 -32102258.48 -32102258.23 0.0137 0.0090
 Neptune -92601-04-04 06:42 J -32100998.45 -32100998.22 -32100997.94 0.0088 0.0044
 Neptune -92599-02-27 01:11 J -32100304.71 -32100304.45 -32100304.15 0.0088 0.0028
 Saturn -92599-04-10 13:39 J -32100262.21 -32100261.93 -32100261.64 0.0276 0.0034
 Saturn -92585-06-11 21:06 J -32095085.91 -32095085.62 -32095085.33 0.0283 0.0098
 Saturn -92571-05-31 17:15 J -32089983.93 -32089983.78 -32089983.61 0.0275 0.0225
 Saturn -92569-05-28 22:47 J -32089255.76 -32089255.55 -32089255.33 0.0275 0.0180
 Uranus -92568-07-17 02:51 J -32088841.48 -32088841.38 -32088841.24 0.0143 0.0131
 Uranus -92566-06-20 04:03 J -32088138.60 -32088138.33 -32088138.05 0.0142 0.0059
 Saturn -92555-08-02 15:20 J -32084077.15 -32084076.86 -32084076.57 0.0283 0.0069
 Jupiter -92551-04-15 03:35 J -32082725.54 -32082725.35 -32082725.16 0.0484 0.0365
 Saturn -92541-07-17 18:56 J -32078978.97 -32078978.71 -32078978.44 0.0276 0.0094
 Saturn -92527-09-14 23:44 J -32073806.61 -32073806.51 -32073806.37 0.0283 0.0259
 Saturn -92525-09-22 21:20 J -32073067.76 -32073067.61 -32073067.43 0.0283 0.0237
 Uranus -92522-07-15 18:13 J -32072042.04 -32072041.74 -32072041.42 0.0136 0.0015
 Neptune -92519-02-20 22:03 J -32071090.79 -32071090.58 -32071090.31 0.0089 0.0062
 Neptune -92517-01-18 02:08 J -32070394.72 -32070394.41 -32070394.07 0.0089 0.0023
 Jupiter -92515-01-18 17:30 J -32069663.00 -32069662.77 -32069662.53 0.0484 0.0285
 Saturn -92511-09-04 21:20 J -32067972.89 -32067972.61 -32067972.33 0.0275 0.0051
 Jupiter -92498-10-24 23:30 J -32063174.76 -32063174.52 -32063174.27 0.0544 0.0201
 Saturn -92497-11-05 06:13 J -32062797.52 -32062797.24 -32062796.94 0.0283 0.0089
 Uranus -92483-03-12 17:59 J -32057922.01 -32057921.75 -32057921.45 0.0143 0.0057
 Saturn -92483-10-25 05:30 J -32057695.43 -32057695.27 -32057695.09 0.0276 0.0217

Uranus -92481-02-13 12:56 J -32057219.07 -32057218.96 -32057218.81 0.0142 0.0128
 Saturn -92481-10-22 10:47 J -32056967.25 -32056967.05 -32056966.83 0.0276 0.0189
 Saturn -92467-12-27 19:11 J -32051787.99 -32051787.70 -32051787.41 0.0283 0.0085
 Pluto -92453-03-23 05:44 J -32046953.42 -32046953.26 -32046953.04 0.0066 0.0053
 Saturn -92453-12-12 00:56 J -32046689.72 -32046689.46 -32046689.18 0.0275 0.0078
 Uranus -92439-04-07 17:59 J -32041824.89 -32041824.75 -32041824.56 0.0135 0.0114
 Saturn -92438-02-08 04:03 J -32041518.47 -32041518.33 -32041518.18 0.0283 0.0250
 Neptune -92438-11-18 15:06 J -32041234.99 -32041234.87 -32041234.69 0.0088 0.0076
 Uranus -92437-03-09 19:54 J -32041122.94 -32041122.67 -32041122.36 0.0136 0.0050
 Saturn -92436-02-16 02:08 J -32040779.55 -32040779.41 -32040779.25 0.0284 0.0244
 Neptune -92436-10-12 07:54 J -32040541.46 -32040541.17 -32040540.87 0.0088 0.0005
 Neptune -92434-09-06 01:39 J -32039847.59 -32039847.43 -32039847.20 0.0088 0.0067
 Saturn -92422-01-29 03:20 J -32035684.64 -32035684.36 -32035684.08 0.0275 0.0058
 Saturn -92408-03-31 22:18 J -32030508.86 -32030508.57 -32030508.27 0.0283 0.0076
 Uranus -92399-11-06 06:27 J -32027002.53 -32027002.23 -32027001.92 0.0143 0.0016
 Jupiter -92397-07-09 06:27 J -32026391.51 -32026391.23 -32026390.96 0.0484 0.0133
 Saturn -92394-03-21 09:35 J -32025406.27 -32025406.10 -32025405.89 0.0275 0.0201
 Saturn -92392-03-18 12:13 J -32024678.17 -32024677.99 -32024677.79 0.0275 0.0205
 Jupiter -92379-04-13 22:32 J -32019903.74 -32019903.56 -32019903.39 0.0544 0.0394
 Saturn -92378-05-22 18:42 J -32019500.00 -32019499.72 -32019499.43 0.0284 0.0092
 Saturn -92364-05-07 03:06 J -32014401.64 -32014401.37 -32014401.09 0.0275 0.0070
 Uranus -92355-12-01 21:35 J -32010905.88 -32010905.60 -32010905.30 0.0136 0.0051
 Neptune -92354-08-31 11:44 J -32010633.33 -32010633.01 -32010632.66 0.0089 0.0017
 Uranus -92353-11-03 02:51 J -32010203.53 -32010203.38 -32010203.19 0.0137 0.0115
 Neptune -92352-07-27 14:37 J -32009937.08 -32009936.89 -32009936.65 0.0089 0.0068
 Saturn -92350-07-04 10:03 J -32009230.23 -32009230.08 -32009229.90 0.0283 0.0240
 Saturn -92348-07-12 11:15 J -32008491.15 -32008491.03 -32008490.89 0.0284 0.0255
 Jupiter -92343-01-17 19:39 J -32006840.83 -32006840.68 -32006840.51 0.0544 0.0433
 Saturn -92334-06-25 04:47 J -32003395.57 -32003395.30 -32003395.03 0.0275 0.0074
 Saturn -92320-08-24 20:23 J -31998220.95 -31998220.65 -31998220.35 0.0284 0.0069

Uranus -92316-07-29 15:49 J -31996786.05 -31996785.84 -31996785.61 0.0143 0.0101
 Uranus -92314-07-02 17:44 J -31996082.99 -31996082.76 -31996082.51 0.0142 0.0087
 Saturn -92306-08-14 10:18 J -31993118.26 -31993118.07 -31993117.87 0.0275 0.0194
 Saturn -92304-08-11 10:47 J -31992390.23 -31992390.05 -31992389.86 0.0275 0.0210
 Saturn -92290-10-15 20:51 J -31987211.92 -31987211.63 -31987211.35 0.0284 0.0101
 Saturn -92276-10-01 04:32 J -31982112.58 -31982112.31 -31982112.03 0.0275 0.0054
 Neptune -92272-05-27 13:54 J -31980778.16 -31980777.92 -31980777.64 0.0088 0.0039
 Neptune -92270-04-21 05:59 J -31980084.50 -31980084.25 -31980083.96 0.0088 0.0033
 Uranus -92270-07-27 22:03 J -31979986.88 -31979986.58 -31979986.26 0.0136 0.0012
 Saturn -92262-11-27 08:37 J -31976942.29 -31976942.14 -31976941.94 0.0283 0.0234
 Saturn -92260-12-05 09:35 J -31976203.20 -31976203.10 -31976202.97 0.0284 0.0261
 Saturn -92246-11-18 03:20 J -31971107.62 -31971107.36 -31971107.08 0.0275 0.0080
 Jupiter -92243-10-03 12:27 J -31970057.26 -31970056.98 -31970056.70 0.0484 0.0107
 Saturn -92231-01-17 16:18 J -31965933.11 -31965932.82 -31965932.51 0.0283 0.0062
 Uranus -92231-03-25 08:37 J -31965866.43 -31965866.14 -31965865.83 0.0143 0.0027
 Jupiter -92225-07-08 01:39 J -31963569.68 -31963569.43 -31963569.18 0.0544 0.0144
 Saturn -92217-01-08 10:32 J -31960829.26 -31960829.06 -31960828.84 0.0276 0.0180
 Saturn -92215-01-05 11:44 J -31960101.16 -31960101.01 -31960100.84 0.0275 0.0227
 Pluto -92205-06-30 11:44 J -31956272.26 -31956272.01 -31956271.73 0.0066 0.0037
 Saturn -92201-03-09 21:35 J -31954923.87 -31954923.60 -31954923.31 0.0284 0.0108
 Neptune -92190-04-13 17:30 J -31950872.00 -31950871.77 -31950871.48 0.0089 0.0057
 Neptune -92188-03-09 22:47 J -31950175.86 -31950175.55 -31950175.22 0.0089 0.0028
 Saturn -92187-02-24 03:49 J -31949824.61 -31949824.34 -31949824.05 0.0275 0.0049
 Uranus -92187-04-20 03:35 J -31949769.57 -31949769.35 -31949769.09 0.0135 0.0086
 Uranus -92185-03-22 02:51 J -31949067.63 -31949067.38 -31949067.11 0.0136 0.0076
 Saturn -92173-04-21 01:25 J -31944654.62 -31944654.44 -31944654.25 0.0283 0.0228
 Saturn -92171-04-30 06:13 J -31943915.31 -31943915.24 -31943915.13 0.0284 0.0270
 Saturn -92157-04-13 04:32 J -31938818.57 -31938818.31 -31938818.04 0.0275 0.0096
 Uranus -92149-12-15 14:23 J -31935649.90 -31935649.90 -31935649.87 0.0144 0.0144
 Uranus -92147-11-18 23:44 J -31934946.78 -31934946.51 -31934946.21 0.0143 0.0046

Saturn -92143-06-12 23:30 J -31933644.82 -31933644.52 -31933644.21 0.0283 0.0053
 Saturn -92129-06-02 13:54 J -31928541.14 -31928540.92 -31928540.71 0.0275 0.0174
 Saturn -92127-05-31 12:56 J -31927813.10 -31927812.96 -31927812.80 0.0275 0.0234
 Jupiter -92124-03-24 01:54 J -31926785.64 -31926785.42 -31926785.19 0.0484 0.0309
 Saturn -92113-08-02 18:42 J -31922635.99 -31922635.72 -31922635.43 0.0283 0.0116
 Neptune -92108-01-09 16:47 J -31921014.94 -31921014.80 -31921014.61 0.0088 0.0072
 Neptune -92107-12-04 10:03 J -31920321.37 -31920321.08 -31920320.79 0.0088 0.0001
 Neptune -92105-10-28 02:37 J -31919627.53 -31919627.39 -31919627.18 0.0088 0.0071
 Uranus -92103-12-14 03:20 J -31918850.66 -31918850.36 -31918850.05 0.0136 0.0024
 Saturn -92099-07-21 05:59 J -31917535.52 -31917535.25 -31917534.97 0.0276 0.0034
 Jupiter -92089-12-27 20:51 J -31913722.82 -31913722.63 -31913722.43 0.0484 0.0355
 Saturn -92085-09-14 19:25 J -31912365.88 -31912365.69 -31912365.48 0.0283 0.0217
 Saturn -92083-09-23 21:06 J -31911626.66 -31911626.62 -31911626.55 0.0284 0.0279
 Jupiter -92071-10-02 14:08 J -31907235.16 -31907234.91 -31907234.65 0.0544 0.0140
 Saturn -92069-09-06 11:01 J -31906530.31 -31906530.04 -31906529.78 0.0275 0.0104
 Uranus -92064-08-11 09:20 J -31904730.37 -31904730.11 -31904729.83 0.0144 0.0069
 Uranus -92062-07-15 14:08 J -31904027.07 -31904026.91 -31904026.73 0.0142 0.0116
 Saturn -92055-11-05 23:59 J -31901356.80 -31901356.50 -31901356.19 0.0283 0.0045
 Saturn -92041-10-27 15:49 J -31896252.06 -31896251.84 -31896251.61 0.0276 0.0161
 Saturn -92039-10-25 19:39 J -31895523.80 -31895523.68 -31895523.56 0.0276 0.0250
 Neptune -92025-10-21 04:32 J -31890414.63 -31890414.31 -31890413.96 0.0089 0.0013
 Saturn -92025-12-27 20:37 J -31890346.91 -31890346.64 -31890346.36 0.0283 0.0128
 Neptune -92023-09-17 08:51 J -31889718.31 -31889718.13 -31889717.93 0.0089 0.0072
 Uranus -92020-09-06 13:39 J -31888633.06 -31888632.93 -31888632.76 0.0135 0.0117
 Uranus -92018-08-09 07:11 J -31887931.50 -31887931.20 -31887930.90 0.0136 0.0039
 Saturn -92011-12-14 18:13 J -31885247.02 -31885246.74 -31885246.46 0.0275 0.0026

92ND MILLENNIUM BCE

This is a list of transits of Mars in the 92nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-91996-02-08 00:13 J	J	-31880077.69	-31880077.49	-31880077.27	0.0283	0.0209	
Saturn	-91980-01-31 16:32 J	J	-31874241.06	-31874240.81	-31874240.55	0.0276	0.0119	
Uranus	-91979-04-07 05:15 J	J	-31873810.59	-31873810.28	-31873809.98	0.0143	0.0006	
Jupiter	-91970-06-17 23:59 J	J	-31870451.78	-31870451.50	-31870451.21	0.0484	0.0080	
Saturn	-91966-04-02 12:42 J	J	-31869067.27	-31869066.97	-31869066.66	0.0283	0.0030	
Pluto	-91957-10-07 17:59 J	J	-31865591.03	-31865590.75	-31865590.42	0.0066	0.0021	
Jupiter	-91952-03-22 11:30 J	J	-31863964.15	-31863964.02	-31863963.88	0.0544	0.0461	
Saturn	-91952-03-23 09:20 J	J	-31863963.34	-31863963.11	-31863962.88	0.0276	0.0151	
Saturn	-91950-03-21 11:30 J	J	-31863235.09	-31863235.02	-31863234.91	0.0275	0.0261	
Neptune	-91943-07-19 12:27 J	J	-31860558.23	-31860557.98	-31860557.70	0.0088	0.0036	
Neptune	-91941-06-12 04:47 J	J	-31859864.55	-31859864.30	-31859864.02	0.0088	0.0035	
Saturn	-91936-05-23 07:25 J	J	-31858058.44	-31858058.19	-31858057.91	0.0283	0.0141	
Uranus	-91935-05-02 13:39 J	J	-31857714.20	-31857713.93	-31857713.64	0.0135	0.0056	
Uranus	-91933-04-03 10:32 J	J	-31857012.24	-31857012.06	-31857011.83	0.0136	0.0103	
Saturn	-91922-05-10 23:44 J	J	-31852957.79	-31852957.51	-31852957.23	0.0276	0.0012	
Jupiter	-91917-12-26 04:03 J	J	-31850901.53	-31850901.33	-31850901.13	0.0543	0.0351	
Saturn	-91908-07-05 23:15 J	J	-31847787.75	-31847787.53	-31847787.29	0.0283	0.0190	
Uranus	-91897-12-28 08:23 J	J	-31843594.33	-31843594.15	-31843593.93	0.0144	0.0110	
Uranus	-91895-12-01 20:37 J	J	-31842890.89	-31842890.64	-31842890.37	0.0143	0.0077	
Saturn	-91894-07-01 06:56 J	J	-31842679.23	-31842679.21	-31842679.15	0.0276	0.0273	
Saturn	-91892-06-27 15:06 J	J	-31841952.11	-31841951.87	-31841951.61	0.0275	0.0131	
Saturn	-91878-08-27 05:44 J	J	-31836778.57	-31836778.26	-31836777.96	0.0283	0.0017	

Saturn -91864-08-17 13:25 J -31831674.17 -31831673.94 -31831673.69 0.0277 0.0139
 Saturn -91862-08-15 20:37 J -31830945.64 -31830945.64 -31830945.62 0.0276 0.0276
 Neptune -91861-06-03 06:56 J -31830653.45 -31830653.21 -31830652.91 0.0089 0.0055
 Neptune -91859-04-30 12:56 J -31829957.26 -31829956.96 -31829956.62 0.0089 0.0032
 Uranus -91851-12-26 18:42 J -31826795.03 -31826794.72 -31826794.41 0.0135 0.0007
 Saturn -91848-10-18 11:01 J -31825768.28 -31825768.04 -31825767.78 0.0283 0.0160
 Saturn -91834-10-05 03:20 J -31820668.64 -31820668.36 -31820668.08 0.0276 0.0003
 Saturn -91820-11-29 20:23 J -31815498.88 -31815498.65 -31815498.40 0.0283 0.0176
 Jupiter -91816-09-10 12:42 J -31814118.25 -31814117.97 -31814117.68 0.0484 0.0118
 Uranus -91812-08-24 05:44 J -31812674.56 -31812674.26 -31812673.96 0.0144 0.0035
 Saturn -91806-11-25 09:20 J -31810390.20 -31810390.11 -31810390.02 0.0277 0.0261
 Saturn -91804-11-21 21:06 J -31809662.86 -31809662.62 -31809662.38 0.0276 0.0145
 Jupiter -91798-06-16 01:25 J -31807630.67 -31807630.44 -31807630.21 0.0543 0.0250
 Saturn -91789-01-22 13:25 J -31804488.25 -31804487.94 -31804487.63 0.0283 0.0006
 Neptune -91779-03-03 15:35 J -31800795.00 -31800794.85 -31800794.66 0.0088 0.0072
 Neptune -91777-01-26 06:13 J -31800101.53 -31800101.24 -31800100.95 0.0088 0.0001
 Neptune -91776-12-19 21:49 J -31799407.74 -31799407.59 -31799407.39 0.0088 0.0072
 Saturn -91775-01-11 20:23 J -31799384.89 -31799384.65 -31799384.39 0.0276 0.0123
 Uranus -91768-09-19 07:39 J -31796577.40 -31796577.18 -31796576.92 0.0135 0.0084
 Uranus -91766-08-21 22:18 J -31795875.82 -31795875.57 -31795875.29 0.0136 0.0070
 Saturn -91759-03-14 09:06 J -31793479.36 -31793479.12 -31793478.88 0.0283 0.0174
 Saturn -91745-02-29 04:47 J -31788379.58 -31788379.30 -31788379.02 0.0276 0.0015
 Saturn -91731-04-27 01:25 J -31783208.70 -31783208.44 -31783208.18 0.0283 0.0153
 Uranus -91727-04-19 23:44 J -31781754.80 -31781754.51 -31781754.21 0.0143 0.0037
 Saturn -91717-04-20 20:23 J -31778100.77 -31778100.65 -31778100.51 0.0276 0.0244
 Saturn -91715-04-18 05:01 J -31777373.52 -31777373.29 -31777373.06 0.0275 0.0162
 Pluto -91708-01-15 06:56 J -31774909.50 -31774909.21 -31774908.88 0.0066 0.0019
 Saturn -91701-06-17 09:06 J -31772199.43 -31772199.12 -31772198.81 0.0283 0.0020
 Jupiter -91697-02-29 05:15 J -31770847.48 -31770847.28 -31770847.07 0.0485 0.0346
 Neptune -91696-12-11 17:01 J -31770196.11 -31770195.79 -31770195.44 0.0089 0.0011

Neptune -91694-11-07 22:03 J -31769499.72 -31769499.58 -31769499.36 0.0089 0.0076
 Saturn -91687-06-07 18:56 J -31767095.96 -31767095.71 -31767095.45 0.0276 0.0111
 Uranus -91683-05-15 10:18 J -31765658.37 -31765658.07 -31765657.76 0.0135 0.0023
 Uranus -91681-04-16 05:01 J -31764956.34 -31764956.29 -31764956.22 0.0136 0.0133
 Saturn -91671-08-09 08:23 J -31761189.36 -31761189.15 -31761188.92 0.0283 0.0196
 Jupiter -91662-12-05 00:27 J -31757784.69 -31757784.48 -31757784.25 0.0484 0.0318
 Saturn -91657-07-25 15:06 J -31756090.15 -31756089.87 -31756089.59 0.0275 0.0034
 Uranus -91644-01-10 05:30 J -31751538.53 -31751538.27 -31751538.00 0.0144 0.0076
 Jupiter -91644-09-08 18:13 J -31751297.00 -31751296.74 -31751296.49 0.0544 0.0036
 Saturn -91643-09-20 17:59 J -31750920.01 -31750919.75 -31750919.47 0.0283 0.0140
 Uranus -91643-12-14 17:44 J -31750834.94 -31750834.76 -31750834.55 0.0143 0.0108
 Saturn -91629-09-14 15:06 J -31745812.00 -31745811.87 -31745811.71 0.0276 0.0233
 Saturn -91627-09-11 23:59 J -31745084.71 -31745084.50 -31745084.27 0.0276 0.0173
 Neptune -91614-09-10 09:35 J -31740338.35 -31740338.10 -31740337.82 0.0088 0.0036
 Saturn -91613-11-12 00:13 J -31739909.79 -31739909.49 -31739909.18 0.0283 0.0041
 Neptune -91612-08-03 23:59 J -31739644.76 -31739644.50 -31739644.22 0.0088 0.0036
 Uranus -91600-02-06 03:35 J -31735440.49 -31735440.35 -31735440.15 0.0134 0.0112
 Saturn -91599-11-02 06:27 J -31734806.49 -31734806.23 -31734805.97 0.0276 0.0092
 Uranus -91598-01-08 13:25 J -31734739.24 -31734738.94 -31734738.64 0.0135 0.0039
 Saturn -91582-01-02 20:37 J -31728900.83 -31728900.64 -31728900.42 0.0284 0.0207
 Saturn -91569-12-19 04:47 J -31723801.57 -31723801.30 -31723801.02 0.0276 0.0044
 Uranus -91560-09-06 00:42 J -31720618.78 -31720618.47 -31720618.16 0.0144 0.0003
 Saturn -91554-02-14 22:18 J -31718630.84 -31718630.57 -31718630.28 0.0283 0.0122
 Jupiter -91543-05-25 00:42 J -31714513.75 -31714513.47 -31714513.19 0.0485 0.0126
 Saturn -91540-02-09 00:56 J -31713522.62 -31713522.46 -31713522.28 0.0276 0.0214
 Saturn -91538-02-06 06:56 J -31712795.41 -31712795.21 -31712795.00 0.0275 0.0191
 Neptune -91532-07-24 16:47 J -31710435.04 -31710434.80 -31710434.49 0.0089 0.0054
 Neptune -91530-06-21 00:42 J -31709738.76 -31709738.47 -31709738.13 0.0089 0.0034
 Saturn -91524-04-07 06:42 J -31707621.52 -31707621.22 -31707620.92 0.0283 0.0050
 Uranus -91516-10-02 03:49 J -31704521.61 -31704521.34 -31704521.04 0.0135 0.0052

Uranus -91514-09-03 17:15 J -31703819.97 -31703819.78 -31703819.56 0.0136 0.0101
 Saturn -91510-03-28 14:51 J -31702518.15 -31702517.88 -31702517.62 0.0276 0.0083
 Saturn -91494-05-29 15:49 J -31696612.01 -31696611.84 -31696611.64 0.0284 0.0223
 Jupiter -91490-12-03 10:18 J -31694963.32 -31694963.07 -31694962.83 0.0544 0.0176
 Saturn -91480-05-15 10:32 J -31691512.33 -31691512.06 -31691511.78 0.0275 0.0062
 Uranus -91477-05-29 01:11 J -31690402.63 -31690402.45 -31690402.26 0.0145 0.0117
 Uranus -91475-05-02 22:18 J -31689698.82 -31689698.57 -31689698.29 0.0144 0.0070
 Saturn -91466-07-11 00:42 J -31686342.75 -31686342.47 -31686342.18 0.0283 0.0113
 Pluto -91460-04-24 20:37 J -31684227.92 -31684227.64 -31684227.30 0.0066 0.0019
 Saturn -91452-07-05 06:13 J -31681234.41 -31681234.24 -31681234.04 0.0276 0.0207
 Neptune -91450-04-25 12:13 J -31680575.14 -31680574.99 -31680574.80 0.0088 0.0072
 Saturn -91450-07-02 11:15 J -31680507.23 -31680507.03 -31680506.83 0.0275 0.0198
 Neptune -91448-03-19 03:20 J -31679881.65 -31679881.36 -31679881.07 0.0088 0.0001
 Neptune -91446-02-10 17:44 J -31679187.92 -31679187.76 -31679187.58 0.0088 0.0072
 Saturn -91436-08-31 15:20 J -31675333.15 -31675332.86 -31675332.55 0.0283 0.0064
 Uranus -91431-05-28 05:44 J -31673602.56 -31673602.26 -31673601.95 0.0135 0.0010
 Saturn -91422-08-22 19:54 J -31670228.94 -31670228.67 -31670228.40 0.0276 0.0066
 Saturn -91408-10-12 05:30 J -31665064.30 -31665064.27 -31665064.22 0.0283 0.0280
 Saturn -91406-10-22 15:35 J -31664324.02 -31664323.85 -31664323.66 0.0284 0.0229
 Uranus -91392-01-22 22:47 J -31659482.83 -31659482.55 -31659482.24 0.0144 0.0044
 Saturn -91392-10-08 12:13 J -31659224.26 -31659223.99 -31659223.72 0.0275 0.0068
 Uranus -91391-12-27 13:39 J -31658778.97 -31658778.93 -31658778.83 0.0143 0.0140
 Jupiter -91389-08-18 04:32 J -31658179.59 -31658179.31 -31658179.02 0.0485 0.0110
 Saturn -91378-12-04 01:11 J -31654054.74 -31654054.45 -31654054.16 0.0283 0.0104
 Jupiter -91371-05-23 23:30 J -31651691.70 -31651691.52 -31651691.34 0.0543 0.0383
 Neptune -91366-02-01 03:20 J -31649977.70 -31649977.36 -31649977.02 0.0089 0.0009
 Neptune -91365-12-28 10:47 J -31649281.20 -31649281.05 -31649280.88 0.0089 0.0078
 Saturn -91364-11-29 08:23 J -31648945.33 -31648945.15 -31648944.94 0.0276 0.0192
 Saturn -91362-11-26 13:25 J -31648218.11 -31648217.94 -31648217.76 0.0275 0.0215
 Uranus -91348-02-19 00:42 J -31643384.70 -31643384.47 -31643384.21 0.0134 0.0078

Saturn -91347-01-24 14:51 J -31643045.17 -31643044.88 -31643044.57 0.0283 0.0069
 Uranus -91346-01-21 09:49 J -31642683.33 -31642683.09 -31642682.81 0.0135 0.0071
 Jupiter -91335-02-27 03:49 J -31638628.46 -31638628.34 -31638628.21 0.0544 0.0471
 Saturn -91333-01-15 19:39 J -31637940.95 -31637940.68 -31637940.40 0.0275 0.0061
 Saturn -91319-03-06 22:18 J -31632776.63 -31632776.57 -31632776.48 0.0282 0.0274
 Saturn -91317-03-16 13:25 J -31632036.09 -31632035.94 -31632035.77 0.0284 0.0238
 Uranus -91308-09-18 21:06 J -31628562.92 -31628562.62 -31628562.31 0.0144 0.0030
 Saturn -91303-03-04 12:13 J -31626935.25 -31626934.99 -31626934.71 0.0275 0.0084
 Saturn -91289-04-28 03:06 J -31621766.65 -31621766.37 -31621766.07 0.0283 0.0098
 Neptune -91285-11-01 06:27 J -31620118.49 -31620118.23 -31620117.96 0.0088 0.0036
 Neptune -91283-09-25 21:20 J -31619424.86 -31619424.61 -31619424.33 0.0088 0.0037
 Saturn -91275-04-24 08:51 J -31616657.33 -31616657.13 -31616656.92 0.0276 0.0187
 Saturn -91273-04-20 11:44 J -31615930.17 -31615930.01 -31615929.83 0.0275 0.0221
 Jupiter -91270-02-06 13:25 J -31614908.16 -31614907.94 -31614907.71 0.0485 0.0313
 Uranus -91264-10-15 03:35 J -31612465.64 -31612465.35 -31612465.04 0.0135 0.0018
 Uranus -91262-09-16 16:03 J -31611763.88 -31611763.83 -31611763.77 0.0135 0.0133
 Saturn -91259-06-19 08:23 J -31610757.44 -31610757.15 -31610756.85 0.0283 0.0076
 Saturn -91245-06-10 19:11 J -31605651.97 -31605651.70 -31605651.42 0.0276 0.0047
 Jupiter -91235-11-12 17:59 J -31601844.92 -31601844.75 -31601844.56 0.0485 0.0375
 Saturn -91231-07-31 07:25 J -31600488.27 -31600488.19 -31600488.07 0.0282 0.0268
 Saturn -91229-08-09 19:39 J -31599747.82 -31599747.68 -31599747.52 0.0284 0.0245
 Uranus -91225-06-10 14:23 J -31598347.15 -31598346.90 -31598346.64 0.0145 0.0085
 Uranus -91223-05-15 12:42 J -31597643.17 -31597642.97 -31597642.73 0.0144 0.0100
 Jupiter -91217-08-17 15:35 J -31595357.11 -31595356.85 -31595356.60 0.0543 0.0098
 Saturn -91215-07-28 13:54 J -31594647.18 -31594646.92 -31594646.65 0.0275 0.0090
 Pluto -91212-08-02 18:13 J -31593545.98 -31593545.74 -31593545.43 0.0066 0.0036
 Neptune -91203-09-14 04:32 J -31590216.56 -31590216.31 -31590216.00 0.0089 0.0052
 Neptune -91201-08-10 13:25 J -31589520.22 -31589519.94 -31589519.60 0.0089 0.0037
 Saturn -91201-09-20 20:51 J -31589478.92 -31589478.63 -31589478.33 0.0283 0.0092
 Saturn -91187-09-18 07:11 J -31584368.41 -31584368.20 -31584367.98 0.0277 0.0176

Saturn -91185-09-14 13:25 J -31583641.08 -31583640.94 -31583640.79 0.0275 0.0235
 Uranus -91181-07-09 02:08 J -31582247.58 -31582247.41 -31582247.19 0.0134 0.0102
 Uranus -91179-06-10 05:44 J -31581546.54 -31581546.26 -31581545.96 0.0135 0.0043
 Saturn -91171-11-12 23:59 J -31578468.79 -31578468.50 -31578468.20 0.0283 0.0085
 Saturn -91157-11-04 01:11 J -31573363.72 -31573363.45 -31573363.17 0.0276 0.0041
 Saturn -91143-12-24 03:49 J -31568200.45 -31568200.34 -31568200.22 0.0282 0.0261
 Saturn -91140-01-02 19:11 J -31567459.82 -31567459.70 -31567459.56 0.0283 0.0254
 Uranus -91140-02-04 15:35 J -31567427.15 -31567426.85 -31567426.53 0.0144 0.0011
 Saturn -91127-12-22 15:49 J -31562358.10 -31562357.84 -31562357.58 0.0276 0.0103
 Neptune -91121-06-16 13:39 J -31560355.08 -31560354.93 -31560354.74 0.0088 0.0071
 Neptune -91119-05-11 02:23 J -31559661.69 -31559661.40 -31559661.11 0.0088 0.0001
 Neptune -91117-04-03 16:32 J -31558967.95 -31558967.81 -31558967.63 0.0088 0.0074
 Jupiter -91116-05-02 19:11 J -31558573.99 -31558573.70 -31558573.41 0.0485 0.0061
 Saturn -91112-02-14 22:18 J -31557189.86 -31557189.57 -31557189.26 0.0283 0.0081
 Saturn -91098-02-11 17:59 J -31552079.97 -31552079.75 -31552079.53 0.0276 0.0169
 Saturn -91096-02-07 23:01 J -31551352.66 -31551352.54 -31551352.41 0.0275 0.0243
 Uranus -91096-03-04 01:39 J -31551328.70 -31551328.43 -31551328.13 0.0134 0.0044
 Uranus -91094-02-03 08:37 J -31550627.33 -31550627.14 -31550626.94 0.0135 0.0103
 Saturn -91082-04-08 02:08 J -31546180.70 -31546180.41 -31546180.12 0.0283 0.0094
 Saturn -91068-03-31 02:08 J -31541074.68 -31541074.41 -31541074.13 0.0277 0.0030
 Jupiter -91063-11-11 12:27 J -31539023.23 -31539022.98 -31539022.73 0.0543 0.0129
 Uranus -91058-10-28 03:49 J -31537211.48 -31537211.34 -31537211.18 0.0145 0.0127
 Uranus -91056-10-01 09:35 J -31536507.37 -31536507.10 -31536506.81 0.0144 0.0059
 Saturn -91054-05-20 15:20 J -31535910.99 -31535910.86 -31535910.69 0.0282 0.0247
 Saturn -91052-05-30 03:06 J -31535170.45 -31535170.37 -31535170.25 0.0283 0.0268
 Saturn -91038-05-18 07:54 J -31530069.41 -31530069.17 -31530068.90 0.0275 0.0114
 Neptune -91037-03-23 16:18 J -31529759.15 -31529758.82 -31529758.47 0.0089 0.0006
 Neptune -91035-02-18 01:25 J -31529062.57 -31529062.44 -31529062.32 0.0089 0.0082
 Saturn -91024-07-11 05:59 J -31524901.55 -31524901.25 -31524900.95 0.0283 0.0071
 Uranus -91014-11-27 02:51 J -31521110.46 -31521110.38 -31521110.28 0.0134 0.0127

Uranus -91012-10-27 23:59 J -31520409.80 -31520409.50 -31520409.19 0.0135 0.0014

Saturn -91010-07-08 19:11 J -31519790.91 -31519790.70 -31519790.46 0.0277 0.0159

Saturn -91008-07-05 05:01 J -31519063.38 -31519063.29 -31519063.18 0.0276 0.0257

91ST MILLENNIUM BCE

This is a list of transits of Mars in the 91st millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-90994-09-02 21:49 J	-31513890.87	-31513890.59	-31513890.31	0.0283	0.0111		
Saturn	-90980-08-25 00:56 J	-31508785.74	-31508785.46	-31508785.18	0.0276	0.0016		
Uranus	-90973-06-23 05:15 J	-31506291.55	-31506291.28	-31506290.97	0.0145	0.0054		
Uranus	-90971-05-28 05:59 J	-31505587.37	-31505587.25	-31505587.10	0.0144	0.0128		
Saturn	-90966-10-14 05:59 J	-31503622.40	-31503622.25	-31503622.06	0.0282	0.0236		
Saturn	-90964-10-23 18:27 J	-31502881.77	-31502881.73	-31502881.68	0.0283	0.0280		
Pluto	-90964-11-10 19:11 J	-31502863.85	-31502863.70	-31502863.51	0.0066	0.0057		
Jupiter	-90962-07-27 13:25 J	-31502240.22	-31502239.94	-31502239.66	0.0485	0.0153		
Neptune	-90956-12-24 10:03 J	-31499898.33	-31499898.08	-31499897.79	0.0088	0.0034		
Neptune	-90954-11-17 22:47 J	-31499204.79	-31499204.55	-31499204.27	0.0088	0.0040		
Saturn	-90950-10-12 13:11 J	-31497780.19	-31497779.95	-31497779.69	0.0276	0.0126		
Jupiter	-90944-05-01 21:06 J	-31495751.76	-31495751.62	-31495751.47	0.0542	0.0442		
Saturn	-90936-12-06 09:49 J	-31492611.39	-31492611.09	-31492610.78	0.0282	0.0050		
Uranus	-90929-07-21 21:20 J	-31490191.86	-31490191.61	-31490191.35	0.0134	0.0071		
Uranus	-90927-06-22 22:47 J	-31489490.80	-31489490.55	-31489490.28	0.0135	0.0071		
Saturn	-90922-12-02 23:59 J	-31487501.73	-31487501.50	-31487501.26	0.0277	0.0143		

Saturn -90920-11-29 08:23 J -31486774.18 -31486774.15 -31486774.10 0.0275 0.0272
 Jupiter -90908-02-04 11:15 J -31482689.22 -31482689.03 -31482688.84 0.0543 0.0363
 Saturn -90905-01-27 17:30 J -31481602.04 -31481601.77 -31481601.49 0.0283 0.0125
 Saturn -90891-01-19 03:35 J -31476496.62 -31476496.35 -31476496.07 0.0277 0.0006
 Uranus -90888-02-17 01:25 J -31475371.74 -31475371.44 -31475371.12 0.0144 0.0018
 Saturn -90877-03-10 13:39 J -31471332.13 -31471331.93 -31471331.72 0.0282 0.0212
 Neptune -90874-11-04 19:25 J -31469997.95 -31469997.69 -31469997.37 0.0089 0.0048
 Neptune -90872-10-01 05:59 J -31469301.53 -31469301.25 -31469300.93 0.0089 0.0041
 Saturn -90863-03-12 04:32 J -31466217.37 -31466217.31 -31466217.22 0.0277 0.0267
 Saturn -90861-03-07 20:37 J -31465490.88 -31465490.64 -31465490.40 0.0276 0.0143
 Saturn -90847-05-02 07:11 J -31460322.50 -31460322.20 -31460321.88 0.0282 0.0036
 Uranus -90844-03-16 16:32 J -31459273.10 -31459272.81 -31459272.50 0.0134 0.0016
 Jupiter -90843-01-13 21:49 J -31458969.80 -31458969.59 -31458969.36 0.0486 0.0327
 Uranus -90842-02-15 22:03 J -31458571.65 -31458571.58 -31458571.46 0.0135 0.0129
 Saturn -90833-04-28 01:11 J -31455212.69 -31455212.45 -31455212.21 0.0277 0.0131
 Saturn -90817-06-23 23:01 J -31449311.79 -31449311.54 -31449311.27 0.0283 0.0149
 Jupiter -90808-10-19 23:15 J -31445906.72 -31445906.53 -31445906.32 0.0485 0.0353
 Uranus -90806-11-09 13:11 J -31445156.18 -31445155.95 -31445155.72 0.0145 0.0098
 Uranus -90804-10-13 20:51 J -31444451.87 -31444451.63 -31444451.37 0.0144 0.0086
 Saturn -90803-06-15 15:06 J -31444207.15 -31444206.87 -31444206.59 0.0276 0.0015
 Neptune -90792-08-08 19:25 J -31440134.84 -31440134.69 -31440134.47 0.0088 0.0068
 Neptune -90790-07-03 09:06 J -31439441.40 -31439441.12 -31439440.82 0.0088 0.0006
 Jupiter -90790-07-26 12:56 J -31439418.18 -31439417.96 -31439417.72 0.0543 0.0237
 Saturn -90789-08-04 12:13 J -31439043.20 -31439042.99 -31439042.75 0.0282 0.0197
 Neptune -90788-05-26 22:03 J -31438747.71 -31438747.58 -31438747.43 0.0088 0.0078
 Saturn -90775-08-06 03:20 J -31433928.46 -31433928.36 -31433928.25 0.0278 0.0255
 Saturn -90773-08-01 20:37 J -31433201.87 -31433201.64 -31433201.40 0.0276 0.0155
 Uranus -90762-12-09 17:15 J -31429054.97 -31429054.78 -31429054.56 0.0134 0.0098
 Uranus -90760-11-09 13:39 J -31428354.21 -31428353.93 -31428353.63 0.0135 0.0041
 Saturn -90759-09-27 09:06 J -31428032.43 -31428032.12 -31428031.80 0.0282 0.0011

Jupiter -90754-04-30 16:18 J -31426355.84 -31426355.82 -31426355.79 0.0543 0.0539
 Saturn -90745-09-22 15:06 J -31422923.11 -31422922.87 -31422922.61 0.0277 0.0112
 Saturn -90729-11-17 19:11 J -31417022.95 -31417022.70 -31417022.44 0.0283 0.0163
 Uranus -90721-07-05 07:54 J -31414236.47 -31414236.17 -31414235.85 0.0145 0.0028
 Saturn -90715-11-09 10:47 J -31411918.33 -31411918.05 -31411917.77 0.0276 0.0027
 Neptune -90708-05-14 10:32 J -31409540.41 -31409540.06 -31409539.72 0.0089 0.0000
 Neptune -90706-04-10 19:54 J -31408843.67 -31408843.67 -31408843.63 0.0089 0.0089
 Saturn -90701-12-30 06:27 J -31406753.47 -31406753.23 -31406752.97 0.0282 0.0174
 Jupiter -90689-04-08 10:03 J -31402636.36 -31402636.08 -31402635.78 0.0486 0.0120
 Saturn -90687-12-31 16:47 J -31401638.93 -31401638.80 -31401638.64 0.0277 0.0234
 Saturn -90685-12-27 07:25 J -31400912.40 -31400912.19 -31400911.97 0.0275 0.0176
 Uranus -90677-08-03 10:47 J -31398136.33 -31398136.05 -31398135.76 0.0134 0.0044
 Uranus -90675-07-05 10:47 J -31397435.26 -31397435.05 -31397434.83 0.0135 0.0096
 Saturn -90670-02-21 01:11 J -31395743.76 -31395743.45 -31395743.13 0.0283 0.0005
 Saturn -90656-02-16 05:15 J -31390634.53 -31390634.28 -31390634.02 0.0277 0.0100
 Saturn -90640-04-14 03:20 J -31384733.58 -31384733.36 -31384733.11 0.0283 0.0184
 Uranus -90638-03-27 12:27 J -31384020.99 -31384020.98 -31384020.91 0.0145 0.0144
 Uranus -90636-03-01 04:03 J -31383316.62 -31383316.33 -31383316.03 0.0144 0.0042
 Jupiter -90636-10-19 00:42 J -31383084.73 -31383084.47 -31383084.22 0.0542 0.0046
 Neptune -90626-02-15 19:54 J -31379677.94 -31379677.67 -31379677.40 0.0088 0.0028
 Saturn -90626-04-05 20:37 J -31379628.92 -31379628.64 -31379628.37 0.0276 0.0047
 Neptune -90624-01-09 08:37 J -31378984.38 -31378984.14 -31378983.89 0.0088 0.0045
 Saturn -90612-05-25 17:01 J -31374465.04 -31374464.79 -31374464.53 0.0282 0.0161
 Saturn -90598-05-27 03:49 J -31369350.50 -31369350.34 -31369350.18 0.0277 0.0224
 Saturn -90596-05-22 17:01 J -31368624.00 -31368623.79 -31368623.58 0.0276 0.0185
 Uranus -90594-04-28 12:42 J -31367918.06 -31367917.97 -31367917.85 0.0133 0.0125
 Uranus -90592-03-29 04:18 J -31367217.62 -31367217.32 -31367217.01 0.0134 0.0010
 Saturn -90582-07-17 21:49 J -31363454.90 -31363454.59 -31363454.28 0.0283 0.0021
 Saturn -90568-07-13 14:23 J -31358345.16 -31358344.90 -31358344.64 0.0276 0.0081
 Uranus -90554-11-21 10:32 J -31353101.33 -31353101.06 -31353100.79 0.0145 0.0073

Saturn -90552-09-07 08:37 J -31352445.36 -31352445.14 -31352444.91 0.0283 0.0193
 Uranus -90552-10-25 18:13 J -31352396.92 -31352396.74 -31352396.51 0.0144 0.0107
 Neptune -90545-12-25 16:18 J -31349779.11 -31349778.82 -31349778.51 0.0089 0.0041
 Neptune -90543-11-22 03:35 J -31349082.61 -31349082.35 -31349082.04 0.0089 0.0049
 Saturn -90538-08-30 02:51 J -31347340.65 -31347340.38 -31347340.11 0.0276 0.0055
 Jupiter -90535-07-03 07:54 J -31346302.46 -31346302.17 -31346301.88 0.0486 0.0107
 Saturn -90524-10-19 01:25 J -31342176.70 -31342176.44 -31342176.17 0.0282 0.0148
 Saturn -90510-10-21 10:03 J -31337061.25 -31337061.08 -31337060.89 0.0277 0.0207
 Uranus -90510-12-22 03:06 J -31336999.62 -31336999.37 -31336999.11 0.0134 0.0073
 Saturn -90508-10-16 21:49 J -31336334.76 -31336334.59 -31336334.38 0.0275 0.0204
 Uranus -90508-11-21 21:35 J -31336298.86 -31336298.60 -31336298.33 0.0135 0.0064
 Saturn -90494-12-10 23:30 J -31331166.83 -31331166.52 -31331166.21 0.0283 0.0029
 Jupiter -90481-01-13 12:56 J -31326750.19 -31326749.96 -31326749.73 0.0543 0.0229
 Saturn -90480-12-06 17:30 J -31326057.03 -31326056.77 -31326056.50 0.0276 0.0074
 Uranus -90469-07-17 06:27 J -31322181.54 -31322181.23 -31322180.91 0.0145 0.0004
 Saturn -90463-01-31 10:47 J -31320157.25 -31320157.05 -31320156.82 0.0283 0.0205
 Neptune -90463-10-01 10:03 J -31319914.26 -31319914.08 -31319913.84 0.0088 0.0060
 Neptune -90461-08-24 21:35 J -31319220.88 -31319220.60 -31319220.31 0.0088 0.0012
 Neptune -90459-07-19 09:20 J -31318527.16 -31318527.11 -31318527.01 0.0088 0.0085
 Saturn -90449-01-24 05:30 J -31315051.54 -31315051.27 -31315051.00 0.0276 0.0072
 Saturn -90435-03-14 01:11 J -31309888.71 -31309888.45 -31309888.17 0.0282 0.0143
 Uranus -90425-08-15 15:49 J -31306081.13 -31306080.84 -31306080.54 0.0134 0.0021
 Uranus -90423-07-17 14:23 J -31305380.04 -31305379.90 -31305379.75 0.0135 0.0118
 Saturn -90421-03-15 11:01 J -31304773.21 -31304773.04 -31304772.84 0.0277 0.0202
 Saturn -90419-03-11 21:49 J -31304046.77 -31304046.59 -31304046.40 0.0275 0.0210
 Jupiter -90417-12-21 07:39 J -31303031.39 -31303031.18 -31303030.96 0.0486 0.0334
 Saturn -90405-05-04 17:01 J -31298879.09 -31298878.79 -31298878.47 0.0283 0.0037
 Saturn -90391-05-02 17:30 J -31293768.04 -31293767.77 -31293767.51 0.0277 0.0060
 Uranus -90386-04-08 07:11 J -31291966.35 -31291966.20 -31291966.00 0.0145 0.0121
 Uranus -90384-03-13 00:13 J -31291261.76 -31291261.49 -31291261.19 0.0144 0.0062

Pluto -90382-11-14 12:56 J -31290285.26 -31290284.96 -31290284.65 0.0078 0.0007
 Neptune -90381-08-07 21:20 J -31290017.73 -31290017.61 -31290017.47 0.0089 0.0082
 Jupiter -90381-09-26 21:35 J -31289967.79 -31289967.60 -31289967.42 0.0486 0.0377
 Neptune -90379-07-05 10:47 J -31289321.39 -31289321.05 -31289320.71 0.0089 0.0008
 Saturn -90375-06-26 11:30 J -31287869.22 -31287869.02 -31287868.81 0.0283 0.0211
 Jupiter -90363-07-04 08:23 J -31283478.35 -31283478.15 -31283477.94 0.0542 0.0317
 Saturn -90361-06-18 05:59 J -31282763.51 -31282763.25 -31282762.98 0.0276 0.0078
 Saturn -90347-08-06 14:37 J -31277601.16 -31277600.89 -31277600.61 0.0282 0.0138
 Uranus -90342-05-10 15:06 J -31275863.05 -31275862.87 -31275862.67 0.0134 0.0103
 Uranus -90340-04-10 04:32 J -31275162.59 -31275162.31 -31275162.01 0.0134 0.0032
 Saturn -90333-08-09 08:37 J -31272484.33 -31272484.14 -31272483.94 0.0278 0.0191
 Saturn -90331-08-05 21:35 J -31271757.75 -31271757.60 -31271757.42 0.0276 0.0224
 Jupiter -90327-04-08 11:59 J -31270416.13 -31270416.00 -31270415.86 0.0542 0.0458
 Saturn -90317-09-27 23:44 J -31266590.82 -31266590.51 -31266590.20 0.0283 0.0043
 Saturn -90303-09-25 19:39 J -31261479.95 -31261479.68 -31261479.41 0.0276 0.0055
 Uranus -90302-12-03 04:03 J -31261046.62 -31261046.33 -31261046.02 0.0145 0.0051
 Uranus -90300-11-06 15:20 J -31260341.99 -31260341.86 -31260341.71 0.0144 0.0127
 Neptune -90297-04-09 12:56 J -31259457.23 -31259456.96 -31259456.67 0.0088 0.0020
 Neptune -90295-03-04 00:13 J -31258763.71 -31258763.49 -31258763.25 0.0088 0.0054
 Saturn -90287-11-19 03:49 J -31255581.52 -31255581.34 -31255581.13 0.0283 0.0218
 Saturn -90273-11-12 04:47 J -31250474.56 -31250474.30 -31250474.03 0.0276 0.0089
 Jupiter -90262-03-17 17:30 J -31246697.07 -31246696.77 -31246696.48 0.0487 0.0065
 Saturn -90259-12-31 05:30 J -31245312.54 -31245312.27 -31245311.98 0.0282 0.0130
 Uranus -90257-01-03 01:54 J -31244944.68 -31244944.42 -31244944.13 0.0134 0.0052
 Uranus -90256-12-03 19:54 J -31244243.88 -31244243.67 -31244243.41 0.0135 0.0085
 Saturn -90244-01-02 13:39 J -31240196.13 -31240195.93 -31240195.73 0.0277 0.0185
 Saturn -90243-12-30 02:23 J -31239469.54 -31239469.40 -31239469.24 0.0275 0.0231
 Saturn -90228-02-20 17:15 J -31234303.08 -31234302.78 -31234302.47 0.0282 0.0049
 Pluto -90221-10-16 14:37 J -31231508.15 -31231507.89 -31231507.59 0.0066 0.0034
 Uranus -90217-07-28 21:20 J -31230126.91 -31230126.61 -31230126.29 0.0145 0.0017

Neptune -90215-02-15 17:44 J -31229560.07 -31229559.76 -31229559.42 0.0089 0.0032
 Saturn -90214-02-19 16:03 J -31229191.10 -31229190.83 -31229190.55 0.0277 0.0046
 Neptune -90213-01-13 06:27 J -31228863.46 -31228863.23 -31228862.94 0.0089 0.0059
 Jupiter -90209-09-27 08:51 J -31227144.38 -31227144.13 -31227143.88 0.0541 0.0081
 Saturn -90198-04-15 00:42 J -31223292.64 -31223292.47 -31223292.27 0.0283 0.0227
 Saturn -90184-04-07 13:25 J -31218186.20 -31218185.94 -31218185.68 0.0276 0.0097
 Uranus -90175-09-27 04:03 J -31214726.37 -31214726.33 -31214726.25 0.0133 0.0130
 Uranus -90173-08-27 13:54 J -31214026.22 -31214025.92 -31214025.62 0.0134 0.0001
 Saturn -90170-05-26 03:06 J -31213024.65 -31213024.37 -31213024.08 0.0282 0.0124
 Saturn -90156-05-29 10:03 J -31207907.29 -31207907.08 -31207906.87 0.0278 0.0178
 Saturn -90154-05-26 02:51 J -31207180.50 -31207180.38 -31207180.23 0.0276 0.0242
 Saturn -90140-07-18 01:25 J -31202013.74 -31202013.44 -31202013.13 0.0282 0.0062
 Uranus -90134-04-19 17:01 J -31199912.00 -31199911.79 -31199911.53 0.0145 0.0099
 Neptune -90134-11-24 04:18 J -31199693.53 -31199693.32 -31199693.06 0.0088 0.0051
 Uranus -90132-03-24 12:42 J -31199207.22 -31199206.97 -31199206.70 0.0144 0.0082
 Neptune -90132-10-17 17:01 J -31199000.06 -31198999.79 -31198999.51 0.0088 0.0023
 Saturn -90126-07-16 06:56 J -31196902.48 -31196902.21 -31196901.94 0.0277 0.0035
 Saturn -90110-09-08 06:42 J -31191004.37 -31191004.22 -31191004.04 0.0283 0.0237
 Jupiter -90108-06-10 16:47 J -31190363.07 -31190362.80 -31190362.52 0.0486 0.0170
 Saturn -90096-09-01 13:25 J -31185897.19 -31185896.94 -31185896.68 0.0277 0.0108
 Uranus -90090-05-22 14:08 J -31183808.13 -31183807.91 -31183807.66 0.0133 0.0081
 Uranus -90088-04-22 03:49 J -31183107.61 -31183107.34 -31183107.05 0.0134 0.0051
 Saturn -90082-10-20 22:32 J -31180734.85 -31180734.56 -31180734.27 0.0281 0.0106
 Saturn -90068-10-23 07:11 J -31175618.41 -31175618.20 -31175617.97 0.0278 0.0166
 Saturn -90066-10-19 22:47 J -31174891.64 -31174891.55 -31174891.43 0.0276 0.0255
 Jupiter -90055-12-22 11:30 J -31170810.26 -31170810.02 -31170809.78 0.0542 0.0164
 Neptune -90052-09-29 02:37 J -31169798.56 -31169798.39 -31169798.16 0.0089 0.0072
 Saturn -90052-12-11 13:54 J -31169725.22 -31169724.92 -31169724.61 0.0282 0.0074
 Neptune -90050-08-26 17:01 J -31169102.12 -31169101.79 -31169101.45 0.0089 0.0020
 Uranus -90050-12-14 13:11 J -31168992.26 -31168991.95 -31168991.64 0.0145 0.0031

Saturn -90038-12-10 06:27 J -31164613.50 -31164613.23 -31164612.95 0.0278 0.0025

Saturn -90023-01-22 16:32 J -31159455.87 -31159455.81 -31159455.72 0.0281 0.0272

Saturn -90021-02-03 07:54 J -31158714.29 -31158714.17 -31158714.03 0.0283 0.0257

Saturn -90007-01-26 14:51 J -31153608.13 -31153607.88 -31153607.63 0.0276 0.0123

Uranus -90005-01-15 00:42 J -31152889.76 -31152889.47 -31152889.18 0.0134 0.0031

Uranus -90004-12-15 16:18 J -31152188.99 -31152188.82 -31152188.61 0.0135 0.0103

90TH MILLENNIUM BCE

This is a list of transits of Mars in the 90th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-89993-03-15	16:03 J	-31148446.12	-31148445.83	-31148445.53	0.0281	0.0093	
Jupiter	-89990-11-28	18:27 J	-31147092.95	-31147092.73	-31147092.50	0.0487	0.0321	
Saturn	-89979-03-19	05:59 J	-31143329.47	-31143329.25	-31143329.01	0.0278	0.0155	
Saturn	-89977-03-15	00:56 J	-31142602.52	-31142602.46	-31142602.38	0.0277	0.0267	
Pluto	-89972-01-25	17:01 J	-31140825.01	-31140824.79	-31140824.56	0.0066	0.0048	
Neptune	-89970-07-09	23:30 J	-31139929.59	-31139929.52	-31139929.37	0.0088	0.0082	
Neptune	-89968-06-02	09:49 J	-31139236.37	-31139236.09	-31139235.79	0.0088	0.0009	
Neptune	-89966-04-26	21:49 J	-31138542.78	-31138542.59	-31138542.39	0.0088	0.0065	
Uranus	-89965-08-09	07:11 J	-31138072.49	-31138072.20	-31138071.88	0.0144	0.0036	
Saturn	-89963-05-08	18:56 J	-31137435.00	-31137434.71	-31137434.42	0.0282	0.0097	
Jupiter	-89954-09-04	03:35 J	-31134029.53	-31134029.35	-31134029.16	0.0487	0.0379	
Saturn	-89949-05-05	14:37 J	-31132324.16	-31132323.89	-31132323.61	0.0277	0.0007	
Jupiter	-89936-06-11	21:06 J	-31127538.77	-31127538.62	-31127538.45	0.0541	0.0412	

Saturn -89935-06-18 13:54 J -31127167.03 -31127166.92 -31127166.78 0.0281 0.0257
 Saturn -89933-06-29 04:18 J -31126425.40 -31126425.32 -31126425.23 0.0283 0.0271
 Uranus -89923-10-09 02:37 J -31122671.54 -31122671.39 -31122671.21 0.0133 0.0110
 Uranus -89921-09-08 10:03 J -31121971.37 -31121971.08 -31121970.77 0.0134 0.0019
 Saturn -89919-06-22 16:03 J -31121319.06 -31121318.83 -31121318.58 0.0277 0.0136
 Saturn -89905-08-10 21:49 J -31116155.89 -31116155.59 -31116155.28 0.0281 0.0066
 Jupiter -89900-03-16 16:47 J -31114476.99 -31114476.80 -31114476.60 0.0541 0.0338
 Saturn -89891-08-13 19:39 J -31111039.91 -31111039.68 -31111039.44 0.0278 0.0135
 Neptune -89886-04-09 02:37 J -31109340.71 -31109340.39 -31109340.04 0.0089 0.0020
 Neptune -89884-03-05 15:49 J -31108644.01 -31108643.84 -31108643.60 0.0089 0.0072
 Uranus -89882-05-01 03:20 J -31107857.61 -31107857.36 -31107857.07 0.0145 0.0078
 Uranus -89880-04-05 01:11 J -31107152.67 -31107152.45 -31107152.22 0.0144 0.0099
 Saturn -89875-10-02 17:15 J -31105146.06 -31105145.78 -31105145.49 0.0282 0.0113
 Saturn -89861-09-29 13:54 J -31100035.19 -31100034.92 -31100034.64 0.0277 0.0007
 Saturn -89847-11-13 16:03 J -31094877.00 -31094876.83 -31094876.64 0.0281 0.0231
 Uranus -89838-06-03 08:23 J -31091753.42 -31091753.15 -31091752.89 0.0134 0.0062
 Uranus -89836-05-03 18:56 J -31091052.95 -31091052.71 -31091052.43 0.0134 0.0068
 Jupiter -89835-02-21 02:08 J -31090759.70 -31090759.41 -31090759.12 0.0488 0.0120
 Saturn -89833-11-21 03:35 J -31089755.44 -31089755.35 -31089755.24 0.0278 0.0259
 Saturn -89831-11-17 05:59 J -31089029.48 -31089029.25 -31089029.02 0.0276 0.0158
 Saturn -89816-01-04 20:23 J -31083866.96 -31083866.65 -31083866.34 0.0282 0.0050
 Neptune -89804-01-16 05:30 J -31079472.51 -31079472.27 -31079472.00 0.0088 0.0039
 Neptune -89803-12-10 15:20 J -31078779.11 -31078778.86 -31078778.58 0.0088 0.0035
 Saturn -89802-01-07 15:06 J -31078751.11 -31078750.87 -31078750.62 0.0278 0.0122
 Uranus -89798-12-26 00:42 J -31076937.79 -31076937.47 -31076937.15 0.0145 0.0011
 Saturn -89786-02-27 13:11 J -31072856.22 -31072855.95 -31072855.67 0.0282 0.0139
 Jupiter -89782-09-05 05:30 J -31071205.50 -31071205.27 -31071205.04 0.0540 0.0236
 Saturn -89772-02-24 04:03 J -31067745.60 -31067745.33 -31067745.05 0.0277 0.0029
 Saturn -89758-04-09 11:01 J -31062588.24 -31062588.04 -31062587.84 0.0281 0.0215
 Uranus -89753-01-26 15:35 J -31060835.14 -31060834.85 -31060834.55 0.0134 0.0014

Uranus -89752-12-27 06:27 J -31060134.36 -31060134.23 -31060134.07 0.0135 0.0117
 Saturn -89744-04-16 20:08 J -31057466.77 -31057466.66 -31057466.52 0.0278 0.0247
 Saturn -89742-04-12 22:03 J -31056740.80 -31056740.58 -31056740.36 0.0276 0.0170
 Saturn -89728-06-01 05:30 J -31051577.58 -31051577.27 -31051576.95 0.0282 0.0027
 Neptune -89723-11-20 14:23 J -31049579.14 -31049578.90 -31049578.63 0.0089 0.0059
 Neptune -89721-10-17 05:01 J -31048882.59 -31048882.29 -31048881.95 0.0089 0.0033
 Uranus -89715-09-15 13:25 J -31046723.09 -31046722.94 -31046722.77 0.0145 0.0125
 Saturn -89714-06-04 05:30 J -31046461.53 -31046461.27 -31046461.02 0.0278 0.0100
 Uranus -89713-08-20 18:13 J -31046018.01 -31046017.74 -31046017.43 0.0144 0.0055
 Saturn -89698-07-24 02:23 J -31040567.65 -31040567.40 -31040567.12 0.0282 0.0152
 Saturn -89684-07-20 16:47 J -31035457.07 -31035456.80 -31035456.53 0.0277 0.0040
 Jupiter -89681-05-16 16:32 J -31034426.10 -31034425.81 -31034425.51 0.0487 0.0093
 Uranus -89671-10-20 17:15 J -31030616.99 -31030616.78 -31030616.56 0.0133 0.0092
 Saturn -89670-09-03 08:08 J -31030299.38 -31030299.16 -31030298.93 0.0281 0.0197
 Uranus -89669-09-19 23:30 J -31029916.80 -31029916.52 -31029916.22 0.0134 0.0034
 Saturn -89656-09-11 08:23 J -31025177.30 -31025177.15 -31025176.99 0.0278 0.0227
 Saturn -89654-09-07 08:23 J -31024451.34 -31024451.15 -31024450.94 0.0276 0.0190
 Neptune -89641-09-01 01:39 J -31019708.59 -31019708.43 -31019708.24 0.0088 0.0070
 Saturn -89640-10-25 14:51 J -31019289.20 -31019288.88 -31019288.57 0.0282 0.0016
 Neptune -89639-07-26 12:42 J -31019015.25 -31019014.97 -31019014.68 0.0088 0.0004
 Pluto -89639-10-22 12:42 J -31018927.26 -31018926.97 -31018926.66 0.0078 0.0011
 Neptune -89637-06-18 22:03 J -31018321.69 -31018321.58 -31018321.41 0.0088 0.0078
 Uranus -89630-05-12 10:03 J -31015803.36 -31015803.08 -31015802.77 0.0145 0.0058
 Uranus -89628-04-16 09:49 J -31015098.26 -31015098.09 -31015097.89 0.0144 0.0116
 Jupiter -89628-11-29 12:42 J -31014871.22 -31014870.97 -31014870.71 0.0541 0.0018
 Saturn -89626-10-28 14:23 J -31014173.15 -31014172.90 -31014172.64 0.0277 0.0091
 Saturn -89610-12-17 15:35 J -31008279.09 -31008278.85 -31008278.59 0.0282 0.0168
 Saturn -89596-12-15 00:13 J -31003167.76 -31003167.49 -31003167.22 0.0277 0.0058
 Uranus -89586-06-14 23:59 J -30999698.77 -30999698.50 -30999698.21 0.0134 0.0045
 Uranus -89584-05-15 09:06 J -30998998.34 -30998998.12 -30998997.87 0.0134 0.0083

Saturn -89581-01-27 13:11 J -30998011.17 -30998010.95 -30998010.70 0.0281 0.0189
 Saturn -89567-02-04 12:42 J -30992889.12 -30992888.97 -30992888.79 0.0278 0.0220
 Saturn -89565-01-31 11:59 J -30992163.18 -30992163.00 -30992162.80 0.0276 0.0198
 Jupiter -89563-11-04 05:15 J -30991155.47 -30991155.28 -30991155.08 0.0488 0.0374
 Neptune -89557-05-30 16:47 J -30989121.14 -30989120.80 -30989120.44 0.0089 0.0006
 Neptune -89555-04-27 06:42 J -30988424.28 -30988424.22 -30988424.11 0.0089 0.0086
 Saturn -89551-03-20 15:49 J -30987001.15 -30987000.84 -30987000.52 0.0282 0.0006
 Uranus -89545-01-06 05:44 J -30984883.58 -30984883.26 -30984882.94 0.0145 0.0007
 Saturn -89537-03-23 16:47 J -30981884.06 -30981883.80 -30981883.53 0.0278 0.0076
 Jupiter -89527-08-11 04:32 J -30978091.51 -30978091.31 -30978091.11 0.0487 0.0362
 Saturn -89521-05-11 17:30 J -30975991.00 -30975990.77 -30975990.51 0.0283 0.0174
 Jupiter -89509-05-20 14:08 J -30971598.98 -30971598.91 -30971598.83 0.0540 0.0514
 Saturn -89507-05-10 01:25 J -30970879.71 -30970879.44 -30970879.17 0.0277 0.0064
 Uranus -89503-03-09 05:01 J -30969480.39 -30969480.29 -30969480.14 0.0133 0.0120
 Uranus -89501-02-07 07:25 J -30968780.49 -30968780.19 -30968779.90 0.0134 0.0003
 Uranus -89499-01-07 19:25 J -30968079.73 -30968079.69 -30968079.60 0.0135 0.0132
 Saturn -89493-06-21 05:30 J -30965723.50 -30965723.27 -30965723.01 0.0281 0.0183
 Saturn -89479-07-01 11:30 J -30960600.18 -30960600.02 -30960599.83 0.0279 0.0209
 Pluto -89478-09-24 19:39 J -30960150.00 -30960149.68 -30960149.34 0.0066 0.0004
 Saturn -89477-06-26 12:27 J -30959874.14 -30959873.98 -30959873.79 0.0276 0.0212
 Neptune -89475-03-11 08:37 J -30959251.41 -30959251.14 -30959250.87 0.0088 0.0027
 Neptune -89473-02-02 19:25 J -30958557.93 -30958557.69 -30958557.44 0.0088 0.0047
 Jupiter -89473-02-23 11:01 J -30958537.27 -30958537.04 -30958536.81 0.0540 0.0236
 Saturn -89463-08-13 19:11 J -30954713.02 -30954712.70 -30954712.39 0.0282 0.0002
 Uranus -89463-09-26 16:47 J -30954668.99 -30954668.80 -30954668.55 0.0145 0.0106
 Uranus -89461-08-31 23:15 J -30953963.79 -30953963.53 -30953963.24 0.0144 0.0071
 Saturn -89449-08-16 18:13 J -30949595.99 -30949595.74 -30949595.47 0.0277 0.0071
 Saturn -89433-10-04 08:37 J -30943703.38 -30943703.14 -30943702.90 0.0282 0.0181
 Saturn -89419-10-03 23:15 J -30938590.78 -30938590.53 -30938590.26 0.0277 0.0076
 Uranus -89419-11-01 11:01 J -30938562.26 -30938562.04 -30938561.78 0.0133 0.0075

Uranus -89417-10-01 15:06 J -30937862.14 -30937861.87 -30937861.58 0.0134 0.0050
 Jupiter -89408-01-28 19:11 J -30934820.99 -30934820.70 -30934820.40 0.0488 0.0093
 Saturn -89405-11-14 13:25 J -30933435.18 -30933434.94 -30933434.69 0.0281 0.0177
 Neptune -89393-01-12 05:01 J -30929359.56 -30929359.29 -30929358.97 0.0089 0.0046
 Neptune -89392-12-08 20:23 J -30928662.91 -30928662.65 -30928662.33 0.0089 0.0048
 Saturn -89391-11-24 13:39 J -30928312.10 -30928311.93 -30928311.73 0.0278 0.0205
 Saturn -89389-11-19 14:08 J -30927586.06 -30927585.91 -30927585.73 0.0276 0.0218
 Uranus -89378-05-23 16:03 J -30923749.12 -30923748.83 -30923748.51 0.0145 0.0039
 Uranus -89376-04-27 17:59 J -30923043.86 -30923043.75 -30923043.62 0.0144 0.0132
 Saturn -89374-01-06 06:56 J -30922425.52 -30922425.21 -30922424.89 0.0281 0.0005
 Saturn -89360-01-10 13:25 J -30917307.20 -30917306.94 -30917306.67 0.0278 0.0062
 Jupiter -89355-08-14 17:59 J -30915264.96 -30915264.75 -30915264.53 0.0539 0.0274
 Saturn -89344-02-27 19:25 J -30911414.91 -30911414.69 -30911414.44 0.0282 0.0188
 Uranus -89334-06-26 15:20 J -30907644.14 -30907643.86 -30907643.56 0.0134 0.0029
 Uranus -89332-05-26 22:18 J -30906943.76 -30906943.57 -30906943.35 0.0134 0.0098
 Saturn -89330-02-27 03:20 J -30906302.62 -30906302.36 -30906302.09 0.0277 0.0082
 Jupiter -89319-05-20 03:49 J -30902202.39 -30902202.34 -30902202.26 0.0541 0.0522
 Saturn -89316-04-09 01:54 J -30901147.66 -30901147.42 -30901147.17 0.0280 0.0175
 Neptune -89312-10-25 06:13 J -30899487.44 -30899487.24 -30899487.00 0.0088 0.0058
 Neptune -89310-09-18 15:49 J -30898794.11 -30898793.84 -30898793.55 0.0088 0.0016
 Saturn -89302-04-20 06:56 J -30896023.39 -30896023.21 -30896023.01 0.0279 0.0199
 Saturn -89300-04-15 11:01 J -30895297.18 -30895297.04 -30895296.87 0.0277 0.0228
 Uranus -89293-01-17 15:06 J -30892829.18 -30892828.87 -30892828.55 0.0145 0.0026
 Saturn -89286-06-02 02:51 J -30890136.70 -30890136.38 -30890136.07 0.0281 0.0013
 Saturn -89272-06-05 22:32 J -30885018.83 -30885018.56 -30885018.29 0.0278 0.0054
 Saturn -89256-07-23 14:23 J -30879127.11 -30879126.90 -30879126.66 0.0282 0.0193
 Jupiter -89254-04-25 01:54 J -30878486.70 -30878486.42 -30878486.13 0.0488 0.0164
 Uranus -89251-03-20 21:20 J -30877425.79 -30877425.61 -30877425.42 0.0133 0.0103
 Uranus -89249-02-18 20:37 J -30876725.93 -30876725.64 -30876725.35 0.0134 0.0018
 Saturn -89242-07-24 00:13 J -30874013.75 -30874013.49 -30874013.23 0.0278 0.0091

Neptune -89230-08-25 15:35 J -30869597.92 -30869597.85 -30869597.71 0.0089 0.0085
 Neptune -89228-07-22 08:37 J -30868901.47 -30868901.14 -30868900.78 0.0089 0.0009
 Saturn -89228-09-03 09:35 J -30868858.35 -30868858.10 -30868857.83 0.0280 0.0161
 Saturn -89214-09-13 22:03 J -30863734.77 -30863734.58 -30863734.38 0.0279 0.0189
 Saturn -89212-09-09 00:42 J -30863008.59 -30863008.47 -30863008.31 0.0276 0.0239
 Uranus -89211-10-08 01:39 J -30862614.67 -30862614.43 -30862614.15 0.0145 0.0085
 Uranus -89209-09-12 11:44 J -30861909.25 -30861909.01 -30861908.75 0.0145 0.0090
 Jupiter -89201-11-08 03:35 J -30858930.60 -30858930.35 -30858930.10 0.0540 0.0017
 Saturn -89198-10-26 05:15 J -30857848.60 -30857848.28 -30857847.96 0.0281 0.0020
 Saturn -89184-10-30 18:56 J -30852729.97 -30852729.71 -30852729.43 0.0279 0.0047
 Saturn -89168-12-18 05:59 J -30846837.45 -30846837.25 -30846837.04 0.0282 0.0209
 Uranus -89167-11-13 00:27 J -30846507.73 -30846507.48 -30846507.21 0.0133 0.0058
 Uranus -89165-10-13 03:06 J -30845807.62 -30845807.37 -30845807.09 0.0134 0.0064
 Saturn -89154-12-17 20:37 J -30841724.90 -30841724.64 -30841724.39 0.0277 0.0104
 Neptune -89148-06-10 04:03 J -30839723.35 -30839723.33 -30839723.29 0.0088 0.0088
 Neptune -89146-05-04 13:39 J -30839030.21 -30839029.93 -30839029.64 0.0088 0.0014
 Neptune -89144-03-27 22:18 J -30838336.76 -30838336.57 -30838336.34 0.0088 0.0060
 Pluto -89144-06-21 12:42 J -30838251.27 -30838250.97 -30838250.66 0.0078 0.0003
 Saturn -89139-01-27 19:54 J -30836569.93 -30836569.67 -30836569.39 0.0280 0.0152
 Jupiter -89136-10-12 00:27 J -30835216.69 -30835216.48 -30835216.25 0.0489 0.0332
 Uranus -89126-06-04 01:39 J -30831694.74 -30831694.43 -30831694.11 0.0145 0.0019
 Saturn -89125-02-07 17:30 J -30831445.96 -30831445.77 -30831445.55 0.0280 0.0182
 Saturn -89123-02-03 00:42 J -30830719.58 -30830719.47 -30830719.34 0.0277 0.0248
 Saturn -89109-03-22 05:15 J -30825558.59 -30825558.28 -30825557.97 0.0281 0.0042
 Jupiter -89100-07-18 18:42 J -30822152.89 -30822152.72 -30822152.54 0.0488 0.0392
 Saturn -89095-03-26 21:35 J -30820440.87 -30820440.60 -30820440.32 0.0278 0.0031
 Uranus -89084-08-07 10:03 J -30816289.12 -30816289.08 -30816289.00 0.0133 0.0130
 Uranus -89082-07-08 05:44 J -30815589.55 -30815589.26 -30815588.97 0.0133 0.0012
 Uranus -89080-06-07 11:44 J -30814889.15 -30814889.01 -30814888.82 0.0134 0.0112
 Saturn -89079-05-13 22:03 J -30814548.77 -30814548.58 -30814548.39 0.0282 0.0221

Saturn -89065-05-12 20:23 J -30809435.90 -30809435.65 -30809435.40 0.0278 0.0115

Neptune -89064-03-04 18:13 J -30809140.06 -30809139.74 -30809139.40 0.0089 0.0031

Neptune -89062-01-30 10:18 J -30808443.30 -30808443.07 -30808442.80 0.0089 0.0062

Saturn -89051-06-25 01:25 J -30804279.72 -30804279.44 -30804279.15 0.0280 0.0126

Jupiter -89046-02-01 12:56 J -30802597.20 -30802596.96 -30802596.72 0.0539 0.0166

Uranus -89043-02-22 05:15 J -30801480.42 -30801480.28 -30801480.13 0.0146 0.0130

Uranus -89041-01-28 23:01 J -30800774.83 -30800774.54 -30800774.22 0.0145 0.0046

Saturn -89037-07-04 03:49 J -30799156.56 -30799156.34 -30799156.12 0.0279 0.0163

Saturn -89035-06-30 08:08 J -30798430.22 -30798430.16 -30798430.08 0.0277 0.0267

Saturn -89021-08-16 03:35 J -30793269.65 -30793269.35 -30793269.04 0.0281 0.0057

Saturn -89007-08-20 20:51 J -30788151.90 -30788151.63 -30788151.35 0.0279 0.0019

89TH MILLENNIUM BCE

This is a list of transits of Mars in the 89th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-88999-04-01	13:39 J	-30785371.15	-30785370.93	-30785370.70	0.0133	0.0085	
Uranus	-88997-03-01	12:13 J	-30784671.26	-30784670.99	-30784670.69	0.0134	0.0034	
Saturn	-88991-10-09	04:47 J	-30782258.43	-30782258.30	-30782258.14	0.0282	0.0249	
Pluto	-88983-05-24	17:44 J	-30779474.09	-30779473.76	-30779473.43	0.0066	0.0001	
Neptune	-88983-12-18	09:06 J	-30779266.35	-30779266.12	-30779265.86	0.0088	0.0045	
Jupiter	-88981-01-05	08:37 J	-30778883.43	-30778883.14	-30778882.85	0.0490	0.0127	
Neptune	-88981-11-10	19:25 J	-30778572.95	-30778572.69	-30778572.41	0.0088	0.0029	
Saturn	-88977-10-07	08:37 J	-30777146.37	-30777146.14	-30777145.89	0.0277	0.0136	

Saturn -88963-11-19 03:35 J -30771990.64 -30771990.35 -30771990.05 0.0280 0.0108
 Uranus -88959-10-19 06:42 J -30770560.51 -30770560.22 -30770559.93 0.0145 0.0064
 Uranus -88957-09-23 18:42 J -30769854.91 -30769854.72 -30769854.49 0.0145 0.0108
 Saturn -88949-11-28 01:39 J -30766867.65 -30766867.43 -30766867.19 0.0279 0.0150
 Saturn -88932-01-11 08:51 J -30760979.43 -30760979.13 -30760978.83 0.0281 0.0086
 Jupiter -88928-07-23 07:11 J -30759325.36 -30759325.20 -30759325.02 0.0538 0.0390
 Saturn -88918-01-15 12:13 J -30755862.26 -30755861.99 -30755861.72 0.0278 0.0005
 Uranus -88915-11-24 20:37 J -30754452.91 -30754452.64 -30754452.35 0.0133 0.0040
 Uranus -88913-10-24 21:06 J -30753752.84 -30753752.62 -30753752.37 0.0134 0.0080
 Saturn -88904-02-20 19:25 J -30750711.74 -30750711.69 -30750711.61 0.0279 0.0273
 Saturn -88902-03-05 05:30 J -30749969.36 -30749969.27 -30749969.15 0.0282 0.0265
 Neptune -88901-10-16 02:37 J -30749378.56 -30749378.39 -30749378.15 0.0089 0.0073
 Neptune -88899-09-12 20:08 J -30748681.99 -30748681.66 -30748681.32 0.0089 0.0022
 Jupiter -88892-04-27 12:27 J -30746263.16 -30746262.98 -30746262.81 0.0539 0.0390
 Saturn -88890-03-08 10:03 J -30745583.10 -30745583.08 -30745583.03 0.0280 0.0277
 Saturn -88888-03-03 04:47 J -30744857.53 -30744857.30 -30744857.06 0.0278 0.0150
 Saturn -88874-04-16 00:42 J -30739700.78 -30739700.47 -30739700.17 0.0280 0.0081
 Uranus -88874-06-15 09:06 J -30739640.45 -30739640.12 -30739639.80 0.0145 0.0003
 Saturn -88860-04-24 19:25 J -30734577.93 -30734577.69 -30734577.45 0.0279 0.0126
 Saturn -88844-06-07 06:13 J -30728690.52 -30728690.24 -30728689.93 0.0281 0.0103
 Uranus -88832-08-19 07:39 J -30724234.33 -30724234.18 -30724234.02 0.0133 0.0111
 Saturn -88830-06-11 06:13 J -30723573.51 -30723573.24 -30723572.96 0.0278 0.0019
 Uranus -88830-07-20 01:11 J -30723534.74 -30723534.45 -30723534.15 0.0133 0.0005
 Uranus -88828-06-19 04:47 J -30722834.40 -30722834.30 -30722834.19 0.0134 0.0126
 Jupiter -88827-03-30 15:49 J -30722550.14 -30722549.84 -30722549.54 0.0489 0.0072
 Neptune -88819-08-03 05:59 J -30719502.38 -30719502.25 -30719502.10 0.0088 0.0077
 Neptune -88817-06-26 14:37 J -30718809.17 -30718808.89 -30718808.60 0.0088 0.0003
 Saturn -88816-07-18 05:30 J -30718422.40 -30718422.27 -30718422.11 0.0279 0.0250
 Neptune -88815-05-21 00:13 J -30718115.64 -30718115.49 -30718115.30 0.0088 0.0071
 Saturn -88802-08-03 03:20 J -30713293.46 -30713293.36 -30713293.24 0.0280 0.0254

Saturn -88800-07-28 19:54 J -30712567.88 -30712567.67 -30712567.45 0.0277 0.0173
 Uranus -88791-03-05 15:20 J -30709426.06 -30709425.86 -30709425.63 0.0146 0.0107
 Uranus -88789-02-09 12:13 J -30708720.26 -30708719.99 -30708719.69 0.0145 0.0066
 Saturn -88786-09-09 17:59 J -30707412.06 -30707411.75 -30707411.44 0.0280 0.0066
 Jupiter -88774-10-17 09:35 J -30702991.34 -30702991.10 -30702990.86 0.0538 0.0162
 Saturn -88772-09-18 10:47 J -30702289.29 -30702289.05 -30702288.80 0.0279 0.0113
 Saturn -88756-11-01 07:11 J -30696401.47 -30696401.20 -30696400.91 0.0281 0.0125
 Uranus -88747-04-13 11:44 J -30693316.25 -30693316.01 -30693315.74 0.0133 0.0067
 Uranus -88745-03-13 07:39 J -30692616.45 -30692616.18 -30692615.90 0.0134 0.0050
 Saturn -88742-11-05 19:54 J -30691283.94 -30691283.67 -30691283.40 0.0278 0.0040
 Neptune -88735-04-26 01:54 J -30688920.74 -30688920.42 -30688920.07 0.0089 0.0019
 Neptune -88733-03-22 18:13 J -30688223.89 -30688223.74 -30688223.53 0.0089 0.0075
 Saturn -88728-12-11 18:27 J -30686133.89 -30686133.73 -30686133.55 0.0279 0.0238
 Saturn -88714-12-27 14:08 J -30681005.04 -30681004.91 -30681004.78 0.0280 0.0244
 Saturn -88712-12-22 06:13 J -30680279.44 -30680279.24 -30680279.03 0.0277 0.0183
 Jupiter -88709-09-16 14:37 J -30679280.03 -30679279.89 -30679279.73 0.0491 0.0428
 Uranus -88707-10-30 21:49 J -30678505.88 -30678505.59 -30678505.26 0.0145 0.0041
 Uranus -88705-10-05 12:56 J -30677800.07 -30677799.96 -30677799.78 0.0145 0.0129
 Saturn -88697-02-03 05:44 J -30675123.57 -30675123.26 -30675122.94 0.0280 0.0050
 Saturn -88683-02-12 19:11 J -30669999.95 -30669999.70 -30669999.44 0.0279 0.0095
 Jupiter -88673-06-23 21:35 J -30666215.81 -30666215.60 -30666215.37 0.0489 0.0331
 Saturn -88667-03-27 13:39 J -30664113.19 -30664112.93 -30664112.64 0.0281 0.0135
 Uranus -88663-12-06 15:20 J -30662398.15 -30662397.86 -30662397.57 0.0133 0.0023
 Uranus -88661-11-05 14:23 J -30661698.10 -30661697.90 -30661697.68 0.0134 0.0094
 Neptune -88653-02-10 09:49 J -30659045.35 -30659045.09 -30659044.83 0.0088 0.0035
 Saturn -88653-03-31 02:08 J -30658995.68 -30658995.41 -30658995.14 0.0278 0.0049
 Neptune -88651-01-03 17:44 J -30658352.00 -30658351.76 -30658351.49 0.0088 0.0040
 Pluto -88649-02-20 05:44 J -30657574.52 -30657574.26 -30657573.98 0.0078 0.0034
 Saturn -88639-05-06 17:30 J -30653845.94 -30653845.77 -30653845.57 0.0279 0.0228
 Saturn -88625-05-22 17:30 J -30648715.91 -30648715.77 -30648715.61 0.0280 0.0231

Saturn -88623-05-18 10:18 J -30647990.24 -30647990.07 -30647989.87 0.0277 0.0200
 Uranus -88622-06-27 03:49 J -30647585.65 -30647585.34 -30647585.02 0.0145 0.0025
 Jupiter -88619-01-10 02:37 J -30646657.64 -30646657.39 -30646657.14 0.0538 0.0041
 Saturn -88609-06-28 10:18 J -30642835.39 -30642835.07 -30642834.75 0.0280 0.0043
 Saturn -88595-07-08 23:15 J -30637711.78 -30637711.53 -30637711.27 0.0279 0.0088
 Uranus -88580-08-31 05:44 J -30632179.46 -30632179.26 -30632179.04 0.0133 0.0092
 Saturn -88579-08-20 08:08 J -30631825.43 -30631825.16 -30631824.89 0.0281 0.0143
 Uranus -88578-07-31 21:49 J -30631479.88 -30631479.59 -30631479.30 0.0133 0.0021
 Neptune -88572-12-07 06:13 J -30629159.46 -30629159.24 -30629158.96 0.0089 0.0062
 Neptune -88570-11-04 00:13 J -30628462.81 -30628462.49 -30628462.16 0.0089 0.0033
 Saturn -88565-08-25 02:37 J -30626706.65 -30626706.39 -30626706.12 0.0278 0.0062
 Jupiter -88555-12-12 03:06 J -30622945.66 -30622945.37 -30622945.08 0.0491 0.0145
 Saturn -88551-09-29 23:44 J -30621557.70 -30621557.51 -30621557.32 0.0279 0.0223
 Uranus -88539-03-17 06:42 J -30617371.47 -30617371.22 -30617370.94 0.0146 0.0082
 Uranus -88537-02-21 06:27 J -30616665.47 -30616665.23 -30616664.96 0.0145 0.0088
 Saturn -88537-10-15 19:54 J -30616427.82 -30616427.67 -30616427.50 0.0280 0.0226
 Saturn -88535-10-11 12:13 J -30615702.16 -30615701.99 -30615701.80 0.0277 0.0206
 Saturn -88521-11-20 22:03 J -30610547.89 -30610547.58 -30610547.26 0.0280 0.0039
 Saturn -88507-12-02 18:56 J -30605422.97 -30605422.71 -30605422.45 0.0280 0.0079
 Jupiter -88501-07-01 14:51 J -30603385.01 -30603384.88 -30603384.74 0.0536 0.0449
 Uranus -88495-04-25 09:20 J -30601261.37 -30601261.11 -30601260.82 0.0133 0.0049
 Uranus -88493-03-25 03:35 J -30600561.59 -30600561.35 -30600561.08 0.0134 0.0066
 Saturn -88490-01-13 13:39 J -30599537.19 -30599536.93 -30599536.65 0.0281 0.0147
 Neptune -88490-09-26 02:37 J -30599281.56 -30599281.39 -30599281.20 0.0088 0.0068
 Pluto -88488-01-22 09:35 J -30598797.29 -30598797.10 -30598796.83 0.0067 0.0049
 Neptune -88488-08-19 12:13 J -30598588.27 -30598587.99 -30598587.70 0.0088 0.0007
 Neptune -88486-07-13 19:39 J -30597894.76 -30597894.68 -30597894.54 0.0088 0.0082
 Saturn -88476-01-18 04:03 J -30594418.59 -30594418.33 -30594418.06 0.0278 0.0067
 Jupiter -88465-04-05 18:56 J -30590322.91 -30590322.71 -30590322.51 0.0538 0.0321
 Saturn -88462-02-22 07:54 J -30589270.35 -30589270.17 -30589269.96 0.0279 0.0222

Uranus -88455-11-11 13:11 J -30586451.27 -30586450.95 -30586450.62 0.0146 0.0017
 Saturn -88448-03-11 10:47 J -30584139.21 -30584139.05 -30584138.88 0.0281 0.0221
 Saturn -88446-03-07 06:42 J -30583413.38 -30583413.22 -30583413.04 0.0278 0.0215
 Saturn -88432-04-16 09:20 J -30578259.42 -30578259.11 -30578258.79 0.0280 0.0033
 Saturn -88418-04-27 21:49 J -30573134.85 -30573134.59 -30573134.33 0.0279 0.0074
 Uranus -88412-01-18 05:30 J -30571042.39 -30571042.27 -30571042.11 0.0132 0.0115
 Uranus -88411-12-18 18:13 J -30570343.03 -30570342.74 -30570342.45 0.0133 0.0004
 Uranus -88409-11-17 14:23 J -30569643.05 -30569642.90 -30569642.72 0.0134 0.0111
 Neptune -88406-06-17 01:54 J -30568701.76 -30568701.42 -30568701.07 0.0089 0.0009
 Neptune -88404-05-13 18:13 J -30568004.80 -30568004.74 -30568004.61 0.0089 0.0086
 Saturn -88402-06-08 00:42 J -30567249.73 -30567249.47 -30567249.20 0.0281 0.0150
 Jupiter -88400-03-07 13:11 J -30566611.24 -30566610.95 -30566610.65 0.0491 0.0127
 Saturn -88388-06-13 20:23 J -30562129.91 -30562129.65 -30562129.38 0.0279 0.0074
 Saturn -88374-07-19 04:03 J -30556981.52 -30556981.33 -30556981.10 0.0279 0.0213
 Uranus -88372-08-01 10:47 J -30556237.19 -30556237.05 -30556236.85 0.0146 0.0125
 Uranus -88370-07-08 17:59 J -30555531.04 -30555530.75 -30555530.43 0.0145 0.0048
 Saturn -88360-08-04 18:13 J -30551850.91 -30551850.74 -30551850.56 0.0280 0.0215
 Saturn -88358-07-31 12:56 J -30551125.11 -30551124.96 -30551124.79 0.0277 0.0222
 Jupiter -88347-09-26 04:03 J -30547050.57 -30547050.33 -30547050.10 0.0537 0.0184
 Saturn -88344-09-09 01:25 J -30545971.76 -30545971.44 -30545971.13 0.0280 0.0030
 Saturn -88330-09-21 12:42 J -30540846.23 -30540845.97 -30540845.71 0.0280 0.0069
 Uranus -88328-09-12 11:01 J -30540124.27 -30540124.04 -30540123.79 0.0133 0.0072
 Uranus -88326-08-13 00:42 J -30539424.75 -30539424.47 -30539424.19 0.0133 0.0040
 Neptune -88324-04-04 02:23 J -30538824.65 -30538824.40 -30538824.11 0.0088 0.0028
 Neptune -88322-02-26 12:13 J -30538131.22 -30538130.99 -30538130.74 0.0088 0.0048
 Saturn -88314-11-02 03:49 J -30534960.60 -30534960.34 -30534960.08 0.0281 0.0162
 Saturn -88300-11-07 08:08 J -30529841.42 -30529841.16 -30529840.90 0.0278 0.0083
 Uranus -88287-03-29 00:27 J -30525316.77 -30525316.48 -30525316.16 0.0146 0.0057
 Saturn -88286-12-12 02:37 J -30524693.58 -30524693.39 -30524693.16 0.0279 0.0208
 Uranus -88285-03-04 02:37 J -30524610.58 -30524610.39 -30524610.17 0.0145 0.0110

Jupiter -88282-08-25 09:06 J -30523341.31 -30523341.12 -30523340.91 0.0492 0.0371
 Saturn -88272-12-29 07:54 J -30519562.33 -30519562.17 -30519561.97 0.0281 0.0211
 Saturn -88270-12-25 07:39 J -30518836.32 -30518836.18 -30518836.02 0.0278 0.0230
 Saturn -88255-02-03 13:54 J -30513682.24 -30513681.92 -30513681.60 0.0279 0.0013
 Jupiter -88246-06-01 12:13 J -30510277.17 -30510276.99 -30510276.79 0.0491 0.0379
 Uranus -88243-05-07 18:13 J -30509206.02 -30509205.74 -30509205.45 0.0133 0.0028
 Neptune -88242-01-28 01:39 J -30508940.69 -30508940.43 -30508940.13 0.0089 0.0053
 Pluto -88242-06-13 09:20 J -30508804.39 -30508804.11 -30508803.77 0.0066 0.0025
 Saturn -88241-02-15 06:42 J -30508557.48 -30508557.22 -30508556.95 0.0280 0.0057
 Uranus -88241-04-06 09:49 J -30508506.29 -30508506.09 -30508505.84 0.0134 0.0086
 Neptune -88241-12-24 18:42 J -30508244.00 -30508243.72 -30508243.38 0.0089 0.0042
 Saturn -88225-03-27 09:06 J -30502672.36 -30502672.12 -30502671.86 0.0281 0.0170
 Saturn -88211-04-03 02:23 J -30497552.65 -30497552.40 -30497552.14 0.0279 0.0091
 Uranus -88203-11-23 13:11 J -30494396.27 -30494395.95 -30494395.62 0.0146 0.0009
 Saturn -88197-05-07 23:01 J -30492403.77 -30492403.54 -30492403.29 0.0278 0.0185
 Jupiter -88193-12-19 18:13 J -30490716.99 -30490716.74 -30490716.49 0.0536 0.0016
 Saturn -88183-05-25 11:15 J -30487273.22 -30487273.03 -30487272.83 0.0281 0.0194
 Saturn -88181-05-20 07:54 J -30486547.30 -30486547.17 -30486547.05 0.0278 0.0246
 Saturn -88167-06-30 02:51 J -30481393.69 -30481393.38 -30481393.05 0.0279 0.0005
 Neptune -88161-11-17 16:47 J -30479060.99 -30479060.80 -30479060.58 0.0088 0.0062
 Uranus -88160-01-30 14:37 J -30478987.08 -30478986.89 -30478986.67 0.0132 0.0093
 Neptune -88159-10-12 01:25 J -30478367.71 -30478367.44 -30478367.15 0.0088 0.0014
 Uranus -88159-12-31 00:42 J -30478287.76 -30478287.47 -30478287.18 0.0133 0.0016
 Neptune -88157-09-04 11:01 J -30477674.06 -30477674.04 -30477674.00 0.0088 0.0088
 Uranus -88157-11-29 19:54 J -30477587.71 -30477587.67 -30477587.57 0.0134 0.0130
 Saturn -88153-07-11 02:37 J -30476268.65 -30476268.39 -30476268.12 0.0280 0.0047
 Saturn -88137-08-22 10:47 J -30470382.26 -30470382.05 -30470381.81 0.0280 0.0197
 Jupiter -88128-11-17 19:54 J -30467007.95 -30467007.67 -30467007.37 0.0492 0.0154
 Saturn -88123-08-28 10:03 J -30465263.33 -30465263.08 -30465262.84 0.0279 0.0111
 Uranus -88120-08-13 15:35 J -30464182.10 -30464181.85 -30464181.60 0.0146 0.0095

Uranus	-88118-07-21 01:39 J	-30463475.70	-30463475.43	-30463475.14	0.0146	0.0075
Saturn	-88109-10-01 20:37 J	-30460114.89	-30460114.64	-30460114.38	0.0278	0.0170
Saturn	-88095-10-19 08:08 J	-30454984.36	-30454984.16	-30454983.95	0.0281	0.0182
Saturn	-88093-10-14 06:56 J	-30454258.30	-30454258.21	-30454258.10	0.0278	0.0258
Saturn	-88079-11-25 08:23 J	-30449103.46	-30449103.15	-30449102.83	0.0279	0.0029
Neptune	-88077-08-06 17:59 J	-30448483.09	-30448482.75	-30448482.40	0.0089	0.0003
Uranus	-88076-09-24 21:20 J	-30448068.86	-30448068.61	-30448068.32	0.0133	0.0050
Jupiter	-88074-06-10 18:56 J	-30447444.76	-30447444.71	-30447444.64	0.0534	0.0516
Uranus	-88074-08-25 09:49 J	-30447369.34	-30447369.09	-30447368.82	0.0133	0.0061
Saturn	-88065-12-05 16:32 J	-30443979.08	-30443978.81	-30443978.54	0.0280	0.0024
Saturn	-88048-01-16 11:59 J	-30438093.19	-30438093.00	-30438092.78	0.0281	0.0213
Jupiter	-88038-03-15 17:15 J	-30434383.00	-30434382.78	-30434382.55	0.0537	0.0235
Uranus	-88035-04-10 07:25 J	-30433261.51	-30433261.19	-30433260.87	0.0146	0.0027
Saturn	-88034-01-22 07:25 J	-30432974.43	-30432974.19	-30432973.94	0.0279	0.0125
Uranus	-88033-03-16 11:59 J	-30432555.07	-30432555.00	-30432554.88	0.0145	0.0138
Saturn	-88020-02-27 00:27 J	-30427824.75	-30427824.48	-30427824.20	0.0278	0.0140
Saturn	-88006-03-16 01:39 J	-30422694.64	-30422694.43	-30422694.20	0.0281	0.0158

88TH MILLENNIUM BCE

This is a list of transits of Mars in the 88th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-87995-05-27 14:51 J	-30418604.15	-30418603.88	-30418603.60	0.0088	0.0022		
Neptune	-87993-04-19 22:18 J	-30417910.78	-30417910.57	-30417910.32	0.0088	0.0053		

Uranus -87993-06-19 22:03 J -30417849.71 -30417849.58 -30417849.41 0.0132 0.0112
 Uranus -87991-05-20 04:18 J -30417150.61 -30417150.32 -30417150.03 0.0133 0.0006
 Saturn -87990-04-21 11:01 J -30416814.35 -30416814.04 -30416813.72 0.0280 0.0047
 Uranus -87989-04-18 19:54 J -30416450.84 -30416450.67 -30416450.48 0.0133 0.0105
 Saturn -87976-05-01 13:54 J -30411690.19 -30411689.92 -30411689.65 0.0280 0.0009
 Jupiter -87973-02-10 23:01 J -30410674.85 -30410674.54 -30410674.24 0.0492 0.0040
 Saturn -87960-06-13 11:59 J -30405803.15 -30405803.00 -30405802.84 0.0281 0.0243
 Uranus -87953-12-29 00:56 J -30403047.57 -30403047.46 -30403047.29 0.0147 0.0133
 Uranus -87951-12-05 19:54 J -30402340.98 -30402340.67 -30402340.35 0.0146 0.0038
 Saturn -87946-06-19 01:25 J -30400684.66 -30400684.44 -30400684.20 0.0279 0.0150
 Saturn -87932-07-24 02:37 J -30395535.68 -30395535.39 -30395535.10 0.0279 0.0121
 Jupiter -87920-09-03 17:30 J -30391110.97 -30391110.77 -30391110.56 0.0535 0.0305
 Saturn -87918-08-09 21:49 J -30390405.82 -30390405.59 -30390405.35 0.0281 0.0143
 Neptune -87913-03-19 12:42 J -30388722.23 -30388721.97 -30388721.64 0.0089 0.0049
 Neptune -87911-02-14 06:42 J -30388025.49 -30388025.22 -30388024.90 0.0089 0.0047
 Uranus -87908-02-12 05:30 J -30386931.50 -30386931.27 -30386931.01 0.0132 0.0068
 Uranus -87906-01-12 15:20 J -30386232.13 -30386231.86 -30386231.57 0.0133 0.0039
 Saturn -87902-09-16 01:54 J -30384524.73 -30384524.42 -30384524.11 0.0280 0.0075
 Saturn -87888-09-26 08:08 J -30379400.43 -30379400.16 -30379399.89 0.0280 0.0015
 Jupiter -87884-06-07 23:30 J -30378049.68 -30378049.52 -30378049.35 0.0537 0.0393
 Saturn -87872-11-07 09:35 J -30373514.21 -30373514.10 -30373513.97 0.0281 0.0259
 Uranus -87868-08-25 17:44 J -30372127.04 -30372126.76 -30372126.45 0.0146 0.0065
 Uranus -87866-08-02 06:56 J -30371420.44 -30371420.21 -30371419.98 0.0146 0.0102
 Saturn -87860-11-17 04:32 J -30369121.34 -30369121.31 -30369121.25 0.0281 0.0277
 Saturn -87858-11-12 17:59 J -30368395.96 -30368395.75 -30368395.52 0.0279 0.0164
 Saturn -87844-12-18 05:01 J -30363246.58 -30363246.29 -30363245.97 0.0279 0.0099
 Neptune -87831-01-10 01:54 J -30358840.63 -30358840.42 -30358840.20 0.0088 0.0059
 Neptune -87830-12-04 10:32 J -30358147.33 -30358147.06 -30358146.77 0.0088 0.0016
 Saturn -87829-01-04 11:59 J -30358116.23 -30358116.00 -30358115.75 0.0281 0.0122
 Uranus -87826-11-08 12:13 J -30356712.03 -30356711.99 -30356711.89 0.0132 0.0128

Uranus -87824-10-07 16:03 J -30356013.11 -30356012.83 -30356012.54 0.0132 0.0025
 Uranus -87822-09-07 02:23 J -30355313.61 -30355313.40 -30355313.16 0.0133 0.0083
 Jupiter -87819-05-06 22:03 J -30354340.83 -30354340.58 -30354340.33 0.0492 0.0284
 Saturn -87813-02-09 18:27 J -30352236.02 -30352235.73 -30352235.42 0.0280 0.0089
 Saturn -87799-02-19 19:54 J -30347111.94 -30347111.67 -30347111.40 0.0279 0.0027
 Saturn -87785-03-20 21:20 J -30341968.64 -30341968.61 -30341968.54 0.0278 0.0275
 Saturn -87783-04-03 02:23 J -30341225.42 -30341225.40 -30341225.35 0.0281 0.0279
 Uranus -87783-04-22 10:03 J -30341206.41 -30341206.08 -30341205.75 0.0146 0.0002
 Saturn -87771-04-13 14:37 J -30336831.98 -30336831.89 -30336831.78 0.0282 0.0259
 Saturn -87769-04-08 03:35 J -30336106.54 -30336106.35 -30336106.13 0.0279 0.0183
 Jupiter -87766-11-28 06:13 J -30334777.48 -30334777.24 -30334777.00 0.0535 0.0122
 Saturn -87755-05-13 17:01 J -30330958.10 -30330957.79 -30330957.49 0.0279 0.0088
 Neptune -87748-09-27 02:51 J -30328264.73 -30328264.38 -30328264.03 0.0089 0.0001
 Saturn -87741-05-29 21:06 J -30325827.87 -30325827.62 -30325827.38 0.0280 0.0112
 Uranus -87741-07-02 21:06 J -30325793.82 -30325793.62 -30325793.38 0.0132 0.0085
 Uranus -87739-06-02 02:51 J -30325094.67 -30325094.38 -30325094.09 0.0133 0.0020
 Uranus -87737-05-01 15:06 J -30324394.92 -30324394.87 -30324394.76 0.0133 0.0129
 Saturn -87725-07-04 22:18 J -30319947.87 -30319947.57 -30319947.27 0.0280 0.0102
 Saturn -87711-07-17 01:25 J -30314822.71 -30314822.44 -30314822.18 0.0280 0.0043
 Jupiter -87701-10-23 16:32 J -30311071.08 -30311070.81 -30311070.54 0.0494 0.0221
 Uranus -87700-01-10 08:51 J -30310992.35 -30310992.13 -30310991.87 0.0147 0.0100
 Uranus -87699-12-18 05:44 J -30310285.53 -30310285.26 -30310284.96 0.0146 0.0068
 Saturn -87697-08-14 06:27 J -30309680.30 -30309680.23 -30309680.13 0.0277 0.0267
 Saturn -87683-09-06 21:06 J -30304543.74 -30304543.62 -30304543.50 0.0281 0.0252
 Saturn -87681-09-01 09:06 J -30303818.31 -30303818.12 -30303817.91 0.0278 0.0191
 Saturn -87667-10-06 09:35 J -30298670.40 -30298670.10 -30298669.79 0.0279 0.0082
 Neptune -87666-07-19 20:37 J -30298383.90 -30298383.64 -30298383.35 0.0088 0.0021
 Neptune -87664-06-12 05:01 J -30297690.49 -30297690.29 -30297690.04 0.0088 0.0055
 Pluto -87662-08-03 03:35 J -30296908.44 -30296908.35 -30296908.18 0.0078 0.0070
 Uranus -87656-02-25 06:42 J -30294875.49 -30294875.22 -30294874.95 0.0132 0.0042

Uranus -87654-01-25 12:56 J -30294176.20 -30294175.96 -30294175.69 0.0133 0.0064
 Saturn -87653-10-23 21:20 J -30293538.86 -30293538.61 -30293538.36 0.0281 0.0101
 Saturn -87637-11-28 03:20 J -30287659.65 -30287659.36 -30287659.06 0.0280 0.0107
 Saturn -87623-12-10 04:47 J -30282534.56 -30282534.30 -30282534.03 0.0279 0.0049
 Uranus -87616-09-07 06:27 J -30280071.55 -30280071.23 -30280070.90 0.0147 0.0032
 Uranus -87614-08-14 21:49 J -30279364.70 -30279364.59 -30279364.43 0.0146 0.0132
 Jupiter -87611-02-21 20:23 J -30278442.89 -30278442.65 -30278442.41 0.0535 0.0144
 Saturn -87608-01-06 16:03 J -30277392.92 -30277392.83 -30277392.74 0.0277 0.0266
 Saturn -87594-01-31 14:23 J -30272255.01 -30272254.90 -30272254.76 0.0282 0.0247
 Saturn -87592-01-26 05:59 J -30271529.42 -30271529.25 -30271529.04 0.0279 0.0201
 Neptune -87584-05-09 19:25 J -30268503.96 -30268503.69 -30268503.36 0.0089 0.0047
 Neptune -87582-04-06 13:39 J -30267807.21 -30267806.93 -30267806.63 0.0089 0.0049
 Saturn -87578-03-01 16:03 J -30266382.14 -30266381.83 -30266381.52 0.0278 0.0077
 Uranus -87574-11-21 15:35 J -30264656.02 -30264655.85 -30264655.65 0.0132 0.0100
 Uranus -87572-10-20 16:32 J -30263957.10 -30263956.81 -30263956.52 0.0132 0.0002
 Uranus -87570-09-20 01:39 J -30263257.58 -30263257.43 -30263257.24 0.0133 0.0107
 Saturn -87564-03-18 23:44 J -30261250.76 -30261250.51 -30261250.25 0.0281 0.0096
 Saturn -87548-04-22 10:47 J -30255372.33 -30255372.05 -30255371.74 0.0279 0.0109
 Jupiter -87546-01-18 05:15 J -30254736.59 -30254736.28 -30254735.98 0.0493 0.0060
 Saturn -87534-05-05 21:20 J -30250245.87 -30250245.61 -30250245.34 0.0280 0.0055
 Uranus -87533-05-28 01:54 J -30249857.55 -30249857.42 -30249857.27 0.0147 0.0132
 Uranus -87531-05-05 05:59 J -30249150.56 -30249150.25 -30249149.92 0.0146 0.0036
 Saturn -87520-06-02 04:03 J -30245104.42 -30245104.33 -30245104.20 0.0277 0.0260
 Saturn -87506-06-26 19:11 J -30239966.83 -30239966.70 -30239966.56 0.0282 0.0242
 Saturn -87504-06-21 09:49 J -30239241.26 -30239241.09 -30239240.90 0.0278 0.0207
 Neptune -87502-03-04 06:27 J -30238620.44 -30238620.23 -30238620.01 0.0088 0.0059
 Neptune -87500-01-25 14:23 J -30237927.18 -30237926.90 -30237926.62 0.0088 0.0017
 Jupiter -87493-08-13 13:11 J -30235170.14 -30235169.95 -30235169.75 0.0534 0.0335
 Saturn -87490-07-25 00:42 J -30234094.78 -30234094.47 -30234094.16 0.0278 0.0077
 Uranus -87489-07-15 23:01 J -30233737.80 -30233737.54 -30233737.29 0.0132 0.0057

Uranus -87487-06-15 02:08 J -30233038.67 -30233038.41 -30233038.13 0.0133 0.0045
 Saturn -87476-08-12 13:25 J -30228962.20 -30228961.94 -30228961.69 0.0282 0.0092
 Saturn -87460-09-16 03:49 J -30223083.63 -30223083.34 -30223083.05 0.0279 0.0116
 Jupiter -87457-05-17 21:35 J -30222108.77 -30222108.60 -30222108.41 0.0535 0.0373
 Uranus -87448-01-22 23:01 J -30218936.83 -30218936.54 -30218936.23 0.0147 0.0065
 Uranus -87447-12-30 22:03 J -30218229.81 -30218229.58 -30218229.33 0.0146 0.0100
 Saturn -87446-09-29 04:18 J -30217957.58 -30217957.32 -30217957.06 0.0280 0.0063
 Saturn -87432-10-25 18:13 J -30212816.83 -30212816.74 -30212816.60 0.0277 0.0259
 Jupiter -87428-07-07 00:13 J -30211466.62 -30211466.49 -30211466.35 0.0495 0.0442
 Neptune -87419-11-17 07:25 J -30208046.54 -30208046.19 -30208045.84 0.0089 0.0002
 Saturn -87418-11-20 05:44 J -30207678.39 -30207678.26 -30207678.11 0.0283 0.0240
 Saturn -87416-11-15 01:54 J -30206952.59 -30206952.42 -30206952.24 0.0280 0.0213
 Pluto -87416-12-23 15:06 J -30206914.05 -30206913.87 -30206913.65 0.0078 0.0058
 Uranus -87406-04-11 09:35 J -30203518.23 -30203518.10 -30203517.95 0.0132 0.0114
 Uranus -87404-03-10 07:54 J -30202819.46 -30202819.17 -30202818.88 0.0132 0.0015
 Uranus -87402-02-07 13:39 J -30202120.13 -30202119.93 -30202119.69 0.0133 0.0088
 Saturn -87402-12-19 03:06 J -30201805.67 -30201805.37 -30201805.04 0.0278 0.0065
 Jupiter -87392-04-13 12:13 J -30198402.20 -30198401.99 -30198401.76 0.0493 0.0335
 Saturn -87387-01-06 01:11 J -30196673.70 -30196673.45 -30196673.19 0.0281 0.0083
 Saturn -87371-02-09 00:27 J -30190795.76 -30190795.48 -30190795.19 0.0279 0.0120
 Uranus -87364-09-19 20:23 J -30188015.98 -30188015.65 -30188015.32 0.0147 0.0002
 Saturn -87357-02-22 18:13 J -30185669.00 -30185668.74 -30185668.48 0.0281 0.0068
 Saturn -87343-03-22 06:13 J -30180527.38 -30180527.24 -30180527.07 0.0276 0.0241
 Jupiter -87339-11-07 11:01 J -30178836.28 -30178836.04 -30178835.80 0.0533 0.0120
 Neptune -87337-09-10 00:27 J -30178163.75 -30178163.48 -30178163.19 0.0088 0.0022
 Neptune -87335-08-04 07:11 J -30177470.39 -30177470.20 -30177469.94 0.0088 0.0055
 Saturn -87329-04-15 00:42 J -30175389.62 -30175389.47 -30175389.30 0.0283 0.0228
 Saturn -87327-04-10 18:13 J -30174663.89 -30174663.74 -30174663.57 0.0279 0.0226
 Uranus -87322-12-04 18:27 J -30172599.96 -30172599.73 -30172599.48 0.0132 0.0072
 Uranus -87320-11-02 19:11 J -30171900.98 -30171900.70 -30171900.41 0.0132 0.0028

Uranus -87318-10-03 02:23 J -30171201.43 -30171201.40 -30171201.33 0.0133 0.0131
 Saturn -87313-05-13 07:54 J -30169517.49 -30169517.17 -30169516.85 0.0278 0.0057
 Saturn -87299-06-01 16:18 J -30164385.08 -30164384.82 -30164384.56 0.0282 0.0076
 Saturn -87283-07-06 18:56 J -30158505.98 -30158505.71 -30158505.43 0.0279 0.0143
 Uranus -87281-06-09 03:49 J -30157802.55 -30157802.34 -30157802.07 0.0147 0.0101
 Uranus -87279-05-17 10:03 J -30157095.36 -30157095.08 -30157094.77 0.0147 0.0065
 Jupiter -87274-09-30 18:27 J -30155133.00 -30155132.73 -30155132.45 0.0495 0.0203
 Saturn -87269-07-18 18:42 J -30153379.97 -30153379.72 -30153379.45 0.0281 0.0085
 Neptune -87255-06-29 23:01 J -30148285.81 -30148285.54 -30148285.21 0.0089 0.0046
 Saturn -87255-08-15 21:20 J -30148238.79 -30148238.61 -30148238.42 0.0277 0.0228
 Neptune -87253-05-26 17:30 J -30147589.05 -30147588.77 -30147588.47 0.0089 0.0050
 Saturn -87241-09-08 17:01 J -30143100.94 -30143100.79 -30143100.61 0.0283 0.0220
 Uranus -87239-08-30 08:08 J -30142380.21 -30142380.16 -30142380.06 0.0131 0.0127
 Saturn -87239-09-04 13:25 J -30142375.08 -30142374.94 -30142374.79 0.0280 0.0235
 Uranus -87237-07-29 04:32 J -30141681.59 -30141681.31 -30141681.03 0.0132 0.0030
 Uranus -87235-06-28 06:27 J -30140982.46 -30140982.23 -30140981.97 0.0132 0.0071
 Saturn -87225-10-08 10:03 J -30137227.40 -30137227.08 -30137226.76 0.0277 0.0029
 Saturn -87211-10-27 00:13 J -30132095.74 -30132095.49 -30132095.22 0.0282 0.0057
 Uranus -87196-02-04 06:27 J -30126881.54 -30126881.23 -30126880.90 0.0147 0.0034
 Saturn -87195-11-30 15:49 J -30126217.09 -30126216.84 -30126216.56 0.0279 0.0158
 Uranus -87194-01-12 06:13 J -30126174.38 -30126174.24 -30126174.06 0.0146 0.0127
 Jupiter -87184-01-31 13:25 J -30122502.19 -30122501.94 -30122501.70 0.0533 0.0107
 Saturn -87181-12-12 14:37 J -30121091.13 -30121090.89 -30121090.63 0.0281 0.0097
 Neptune -87173-04-25 08:37 J -30118400.33 -30118400.14 -30118399.91 0.0088 0.0060
 Neptune -87171-03-19 17:44 J -30117707.03 -30117706.76 -30117706.47 0.0088 0.0016
 Pluto -87169-05-15 08:23 J -30116919.29 -30116919.15 -30116918.94 0.0078 0.0063
 Saturn -87166-01-11 01:39 J -30115948.64 -30115948.43 -30115948.19 0.0276 0.0198
 Uranus -87154-04-24 16:32 J -30111462.01 -30111461.81 -30111461.58 0.0132 0.0086
 Saturn -87152-02-03 07:11 J -30110811.38 -30110811.20 -30110810.99 0.0283 0.0196
 Uranus -87152-03-23 14:08 J -30110763.19 -30110762.91 -30110762.62 0.0132 0.0012

Saturn -87150-01-30 00:42 J -30110085.57 -30110085.47 -30110085.36 0.0279 0.0258
 Uranus -87150-02-20 17:59 J -30110063.88 -30110063.75 -30110063.58 0.0133 0.0114
 Saturn -87136-03-04 12:27 J -30104938.30 -30104937.98 -30104937.66 0.0278 0.0011
 Saturn -87122-03-22 20:51 J -30099806.89 -30099806.63 -30099806.36 0.0282 0.0042
 Jupiter -87120-12-23 22:03 J -30098799.88 -30098799.58 -30098799.27 0.0495 0.0008
 Uranus -87114-10-25 14:08 J -30096668.02 -30096667.91 -30096667.75 0.0147 0.0135
 Uranus -87112-10-02 02:23 J -30095960.71 -30095960.40 -30095960.07 0.0147 0.0031
 Saturn -87106-04-27 19:54 J -30093926.88 -30093926.67 -30093926.42 0.0279 0.0191
 Saturn -87092-05-09 07:54 J -30088801.40 -30088801.17 -30088800.92 0.0280 0.0122
 Neptune -87089-01-07 09:35 J -30087828.45 -30087828.10 -30087827.75 0.0089 0.0003
 Saturn -87078-06-07 06:13 J -30083659.48 -30083659.24 -30083658.99 0.0277 0.0178
 Uranus -87070-12-18 01:11 J -30080543.71 -30080543.45 -30080543.17 0.0132 0.0045
 Uranus -87068-11-15 23:59 J -30079844.74 -30079844.50 -30079844.22 0.0132 0.0055
 Jupiter -87066-07-23 17:44 J -30079229.91 -30079229.76 -30079229.60 0.0532 0.0416
 Saturn -87064-06-30 05:44 J -30078522.46 -30078522.26 -30078522.05 0.0283 0.0180
 Saturn -87062-06-25 23:01 J -30077796.59 -30077796.54 -30077796.48 0.0280 0.0273
 Saturn -87048-07-30 11:44 J -30072648.33 -30072648.01 -30072647.69 0.0278 0.0021
 Saturn -87034-08-17 17:30 J -30067517.03 -30067516.77 -30067516.50 0.0282 0.0016
 Jupiter -87030-04-26 18:42 J -30066168.93 -30066168.72 -30066168.50 0.0533 0.0258
 Uranus -87029-06-21 19:11 J -30065746.97 -30065746.70 -30065746.38 0.0147 0.0068
 Uranus -87027-05-30 02:51 J -30065039.61 -30065039.38 -30065039.11 0.0147 0.0096
 Saturn -87018-09-21 23:30 J -30061637.72 -30061637.52 -30061637.30 0.0279 0.0210
 Neptune -87008-11-02 02:08 J -30057943.66 -30057943.41 -30057943.11 0.0088 0.0023
 Neptune -87006-09-26 11:59 J -30057250.22 -30057250.00 -30057249.77 0.0088 0.0054
 Saturn -87004-10-03 05:15 J -30056512.50 -30056512.28 -30056512.03 0.0280 0.0139

87TH MILLENNIUM BCE

This is a list of transits of Mars in the 87th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-86990-11-01 19:39 J	-30051369.94	-30051369.68	-30051369.40	0.0277	0.0151		
Uranus	-86987-09-12 13:54 J	-30050324.08	-30050323.92	-30050323.71	0.0132	0.0100		
Uranus	-86985-08-11 08:37 J	-30049625.43	-30049625.14	-30049624.85	0.0132	0.0003		
Uranus	-86983-07-11 09:49 J	-30048926.28	-30048926.09	-30048925.88	0.0132	0.0096		
Saturn	-86976-11-25 02:23 J	-30046232.62	-30046232.40	-30046232.17	0.0283	0.0155		
Jupiter	-86965-03-18 14:51 J	-30042466.15	-30042465.88	-30042465.60	0.0495	0.0225		
Saturn	-86960-12-24 12:27 J	-30040359.30	-30040358.98	-30040358.66	0.0278	0.0039		
Saturn	-86945-01-11 11:44 J	-30035228.27	-30035228.01	-30035227.74	0.0281	0.0005		
Uranus	-86944-02-16 18:13 J	-30034826.07	-30034825.74	-30034825.41	0.0147	0.0002		
Saturn	-86929-02-16 05:44 J	-30029348.42	-30029348.26	-30029348.08	0.0279	0.0235		
Neptune	-86926-08-20 02:37 J	-30028067.67	-30028067.39	-30028067.06	0.0089	0.0044		
Neptune	-86924-07-16 20:51 J	-30027370.90	-30027370.63	-30027370.34	0.0089	0.0052		
Saturn	-86915-02-27 21:20 J	-30024222.82	-30024222.61	-30024222.37	0.0280	0.0162		
Jupiter	-86912-10-16 02:23 J	-30022896.62	-30022896.40	-30022896.18	0.0531	0.0251		
Uranus	-86902-05-07 19:11 J	-30019405.93	-30019405.70	-30019405.42	0.0132	0.0060		
Saturn	-86901-03-27 16:03 J	-30019081.11	-30019080.83	-30019080.55	0.0277	0.0136		
Uranus	-86900-04-05 15:49 J	-30018707.11	-30018706.84	-30018706.56	0.0132	0.0037		
Saturn	-86887-04-20 17:15 J	-30013944.00	-30013943.78	-30013943.54	0.0282	0.0141		
Jupiter	-86876-07-20 21:20 J	-30009834.71	-30009834.61	-30009834.50	0.0534	0.0483		
Saturn	-86871-05-20 04:47 J	-30008070.61	-30008070.30	-30008069.97	0.0278	0.0058		
Uranus	-86862-11-07 00:56 J	-30004612.68	-30004612.46	-30004612.19	0.0147	0.0101		
Uranus	-86860-10-14 15:20 J	-30003905.14	-30003904.86	-30003904.54	0.0147	0.0063		

Saturn -86857-06-06 23:59 J -30002938.77 -30002938.50 -30002938.23 0.0282 0.0019
 Jupiter -86847-09-04 20:37 J -29999196.87 -29999196.64 -29999196.40 0.0497 0.0314
 Neptune -86844-06-17 13:11 J -29998180.13 -29998179.95 -29998179.71 0.0088 0.0059
 Neptune -86842-05-11 21:20 J -29997486.89 -29997486.61 -29997486.33 0.0088 0.0017
 Saturn -86841-07-11 19:39 J -29997059.81 -29997059.68 -29997059.52 0.0279 0.0247
 Saturn -86827-07-24 08:37 J -29991934.35 -29991934.14 -29991933.93 0.0280 0.0172
 Uranus -86819-01-31 08:51 J -29989186.26 -29989186.13 -29989185.97 0.0131 0.0113
 Uranus -86818-12-31 01:25 J -29988487.72 -29988487.44 -29988487.15 0.0132 0.0019
 Uranus -86816-11-29 01:11 J -29987788.67 -29987788.45 -29987788.21 0.0132 0.0078
 Saturn -86813-08-20 19:25 J -29986792.97 -29986792.69 -29986792.39 0.0277 0.0125
 Jupiter -86811-06-12 11:44 J -29986132.10 -29986132.01 -29986131.89 0.0495 0.0464
 Saturn -86799-09-14 23:59 J -29981654.73 -29981654.50 -29981654.26 0.0283 0.0127
 Saturn -86783-10-13 15:35 J -29975782.16 -29975781.85 -29975781.54 0.0278 0.0066
 Uranus -86777-07-03 19:11 J -29973692.02 -29973691.70 -29973691.37 0.0147 0.0037
 Uranus -86775-06-11 04:03 J -29972984.48 -29972984.33 -29972984.12 0.0147 0.0123
 Saturn -86769-10-31 07:25 J -29970650.45 -29970650.19 -29970649.92 0.0281 0.0028
 Neptune -86760-02-26 13:54 J -29967610.27 -29967609.92 -29967609.58 0.0089 0.0006
 Jupiter -86757-01-10 10:18 J -29966562.32 -29966562.07 -29966561.82 0.0532 0.0006
 Saturn -86753-12-04 15:49 J -29964771.95 -29964771.84 -29964771.70 0.0279 0.0256
 Saturn -86741-12-22 17:15 J -29960370.83 -29960370.78 -29960370.72 0.0284 0.0277
 Saturn -86739-12-18 09:35 J -29959645.29 -29959645.10 -29959644.88 0.0281 0.0185
 Uranus -86735-09-25 13:39 J -29958268.14 -29958267.93 -29958267.67 0.0131 0.0074
 Uranus -86733-08-24 08:37 J -29957569.41 -29957569.14 -29957568.85 0.0132 0.0022
 Uranus -86731-07-24 09:49 J -29956870.20 -29956870.09 -29956869.95 0.0132 0.0119
 Saturn -86724-01-14 04:18 J -29954504.61 -29954504.32 -29954504.02 0.0276 0.0119
 Saturn -86710-02-08 03:20 J -29949366.60 -29949366.36 -29949366.11 0.0282 0.0121
 Saturn -86694-03-08 02:23 J -29943494.71 -29943494.40 -29943494.09 0.0278 0.0069
 Uranus -86694-03-23 18:56 J -29943478.80 -29943478.71 -29943478.55 0.0147 0.0137
 Jupiter -86693-11-29 05:59 J -29942862.55 -29942862.25 -29942861.94 0.0496 0.0038
 Uranus -86692-02-28 15:49 J -29942771.16 -29942770.84 -29942770.50 0.0147 0.0027

Saturn -86680-03-27 01:25 J -29938361.71 -29938361.44 -29938361.17 0.0282 0.0035
 Neptune -86679-12-25 10:03 J -29937723.36 -29937723.08 -29937722.80 0.0088 0.0020
 Neptune -86677-11-17 16:47 J -29937029.99 -29937029.80 -29937029.55 0.0088 0.0057
 Saturn -86664-04-29 21:20 J -29932483.71 -29932483.61 -29932483.48 0.0279 0.0260
 Saturn -86652-05-17 19:54 J -29928082.73 -29928082.67 -29928082.59 0.0284 0.0272
 Uranus -86652-06-21 04:32 J -29928048.38 -29928048.31 -29928048.22 0.0131 0.0126
 Saturn -86650-05-13 11:01 J -29927357.23 -29927357.04 -29927356.83 0.0280 0.0190
 Uranus -86650-05-20 19:39 J -29927349.95 -29927349.68 -29927349.39 0.0132 0.0034
 Uranus -86648-04-18 16:47 J -29926651.05 -29926650.80 -29926650.54 0.0132 0.0061
 Jupiter -86639-07-02 06:27 J -29923289.35 -29923289.23 -29923289.12 0.0530 0.0467
 Saturn -86636-06-08 10:32 J -29922217.34 -29922217.06 -29922216.76 0.0276 0.0120
 Saturn -86622-07-04 15:49 J -29917078.08 -29917077.84 -29917077.59 0.0284 0.0118
 Uranus -86610-11-18 18:13 J -29912558.02 -29912557.74 -29912557.44 0.0147 0.0072
 Uranus -86608-10-26 09:49 J -29911850.35 -29911850.09 -29911849.82 0.0147 0.0087
 Saturn -86606-08-01 11:15 J -29911206.34 -29911206.03 -29911205.72 0.0277 0.0075
 Jupiter -86603-04-05 11:30 J -29910228.24 -29910228.02 -29910227.79 0.0532 0.0222
 Neptune -86597-10-09 08:23 J -29907849.45 -29907849.15 -29907848.83 0.0089 0.0041
 Neptune -86595-09-06 02:23 J -29907152.64 -29907152.40 -29907152.10 0.0089 0.0056
 Saturn -86592-08-20 04:03 J -29906073.60 -29906073.33 -29906073.06 0.0282 0.0041
 Saturn -86576-09-22 04:03 J -29900196.43 -29900196.33 -29900196.21 0.0279 0.0260
 Uranus -86567-02-13 07:25 J -29897130.38 -29897130.19 -29897129.96 0.0131 0.0088
 Uranus -86565-01-13 01:11 J -29896431.73 -29896431.45 -29896431.16 0.0132 0.0006
 Saturn -86564-10-11 03:49 J -29895794.40 -29895794.34 -29895794.25 0.0285 0.0272
 Uranus -86564-12-11 23:15 J -29895732.71 -29895732.53 -29895732.34 0.0132 0.0101
 Saturn -86562-10-06 23:30 J -29895068.71 -29895068.52 -29895068.32 0.0281 0.0194
 Saturn -86548-11-02 02:08 J -29889928.71 -29889928.41 -29889928.11 0.0276 0.0110
 Jupiter -86538-02-23 17:59 J -29886528.01 -29886527.75 -29886527.49 0.0497 0.0256
 Saturn -86534-11-27 21:20 J -29884789.86 -29884789.61 -29884789.37 0.0283 0.0112
 Uranus -86525-07-15 19:39 J -29881637.01 -29881636.68 -29881636.34 0.0147 0.0008
 Saturn -86518-12-24 20:37 J -29878918.95 -29878918.64 -29878918.33 0.0277 0.0074

Pluto -86517-03-08 08:37 J -29878844.29 -29878844.14 -29878843.90 0.0067 0.0055
 Neptune -86515-08-09 23:01 J -29877959.74 -29877959.54 -29877959.29 0.0088 0.0056
 Neptune -86513-07-03 07:39 J -29877266.45 -29877266.18 -29877265.90 0.0088 0.0020
 Saturn -86503-01-13 13:25 J -29873785.20 -29873784.94 -29873784.67 0.0283 0.0044
 Saturn -86487-02-15 23:59 J -29867907.57 -29867907.50 -29867907.42 0.0278 0.0271
 Jupiter -86485-09-25 08:23 J -29866955.37 -29866955.15 -29866954.92 0.0529 0.0240
 Uranus -86483-10-08 12:42 J -29866212.23 -29866211.97 -29866211.70 0.0132 0.0049
 Uranus -86481-09-06 05:44 J -29865513.52 -29865513.26 -29865512.98 0.0132 0.0044
 Saturn -86475-03-06 14:08 J -29863505.99 -29863505.91 -29863505.80 0.0285 0.0264
 Saturn -86473-03-01 07:54 J -29862780.34 -29862780.17 -29862779.97 0.0281 0.0204
 Saturn -86459-03-27 17:30 J -29857641.06 -29857640.77 -29857640.46 0.0276 0.0109
 Jupiter -86449-06-30 01:11 J -29853893.54 -29853893.45 -29853893.35 0.0532 0.0487
 Saturn -86445-04-22 05:30 J -29852501.50 -29852501.27 -29852501.01 0.0284 0.0109
 Uranus -86442-04-04 19:54 J -29851423.88 -29851423.67 -29851423.41 0.0147 0.0106
 Uranus -86440-03-12 17:01 J -29850716.09 -29850715.79 -29850715.46 0.0147 0.0054
 Neptune -86433-05-22 04:03 J -29848088.36 -29848088.33 -29848088.23 0.0089 0.0088
 Neptune -86431-04-18 22:47 J -29847391.89 -29847391.55 -29847391.20 0.0089 0.0010
 Saturn -86429-05-20 01:25 J -29846629.75 -29846629.44 -29846629.14 0.0277 0.0091
 Jupiter -86420-08-11 23:30 J -29843258.76 -29843258.52 -29843258.26 0.0499 0.0283
 Saturn -86415-06-09 05:30 J -29841496.53 -29841496.27 -29841496.01 0.0282 0.0056
 Uranus -86400-07-03 23:30 J -29835992.67 -29835992.52 -29835992.32 0.0131 0.0103
 Saturn -86399-07-11 23:01 J -29835619.58 -29835619.54 -29835619.50 0.0278 0.0276
 Uranus -86398-06-02 13:39 J -29835294.21 -29835293.93 -29835293.64 0.0132 0.0012
 Uranus -86396-05-01 09:06 J -29834595.34 -29834595.12 -29834594.89 0.0132 0.0082
 Saturn -86387-07-31 00:13 J -29831217.58 -29831217.49 -29831217.36 0.0285 0.0259
 Saturn -86385-07-25 21:35 J -29830491.76 -29830491.60 -29830491.41 0.0282 0.0211
 Saturn -86371-08-22 08:23 J -29825351.45 -29825351.15 -29825350.83 0.0275 0.0086
 Uranus -86358-11-30 19:54 J -29820502.98 -29820502.67 -29820502.33 0.0147 0.0042
 Saturn -86357-09-16 05:30 J -29820212.52 -29820212.27 -29820212.01 0.0284 0.0093
 Uranus -86356-11-07 12:13 J -29819795.18 -29819794.99 -29819794.76 0.0147 0.0114

Neptune -86349-02-16 22:18 J -29817502.84 -29817502.57 -29817502.28 0.0088 0.0014
 Neptune -86347-01-10 06:42 J -29816809.41 -29816809.22 -29816809.01 0.0088 0.0062
 Saturn -86341-10-13 11:30 J -29814341.31 -29814341.02 -29814340.71 0.0277 0.0102
 Jupiter -86331-12-20 14:37 J -29810621.14 -29810620.89 -29810620.64 0.0530 0.0007
 Saturn -86327-11-02 20:37 J -29809207.90 -29809207.64 -29809207.38 0.0283 0.0065
 Uranus -86315-02-26 00:13 J -29805074.73 -29805074.49 -29805074.24 0.0131 0.0065
 Uranus -86313-01-25 15:35 J -29804376.13 -29804375.85 -29804375.57 0.0132 0.0026
 Saturn -86313-11-23 21:35 J -29804072.72 -29804072.60 -29804072.48 0.0274 0.0255
 Uranus -86312-12-24 13:25 J -29803677.03 -29803676.94 -29803676.79 0.0132 0.0120
 Saturn -86299-12-25 07:39 J -29798928.31 -29798928.18 -29798928.02 0.0285 0.0239
 Saturn -86297-12-20 03:20 J -29798202.51 -29798202.36 -29798202.20 0.0281 0.0230
 Saturn -86282-01-16 05:01 J -29793062.60 -29793062.29 -29793061.97 0.0276 0.0070
 Uranus -86275-08-19 10:03 J -29790290.15 -29790290.08 -29790289.95 0.0147 0.0141
 Uranus -86273-07-27 12:42 J -29789582.29 -29789581.97 -29789581.63 0.0147 0.0018
 Pluto -86271-07-30 17:15 J -29788849.12 -29788848.78 -29788848.44 0.0067 0.0001
 Saturn -86268-02-09 21:49 J -29787923.84 -29787923.59 -29787923.32 0.0284 0.0081
 Neptune -86268-11-29 21:06 J -29787630.93 -29787630.62 -29787630.29 0.0089 0.0035
 Neptune -86266-10-27 15:06 J -29786934.09 -29786933.87 -29786933.59 0.0089 0.0062
 Jupiter -86266-11-05 06:56 J -29786925.51 -29786925.21 -29786924.91 0.0498 0.0072
 Saturn -86252-03-10 14:51 J -29782051.15 -29782050.88 -29782050.58 0.0277 0.0134
 Saturn -86238-03-30 08:37 J -29776918.39 -29776918.14 -29776917.88 0.0283 0.0089
 Uranus -86233-11-21 11:59 J -29774855.10 -29774855.00 -29774854.85 0.0131 0.0118
 Uranus -86231-10-20 23:59 J -29774156.77 -29774156.50 -29774156.21 0.0132 0.0029
 Uranus -86229-09-18 17:30 J -29773458.01 -29773457.77 -29773457.51 0.0132 0.0062
 Saturn -86224-04-20 00:27 J -29771783.63 -29771783.48 -29771783.30 0.0275 0.0236
 Jupiter -86212-06-10 23:59 J -29767348.57 -29767348.50 -29767348.42 0.0528 0.0500
 Saturn -86210-05-21 03:49 J -29766639.49 -29766639.34 -29766639.16 0.0285 0.0224
 Saturn -86208-05-15 23:59 J -29765913.63 -29765913.50 -29765913.37 0.0282 0.0245
 Saturn -86194-06-13 08:37 J -29760772.46 -29760772.14 -29760771.82 0.0276 0.0036
 Uranus -86190-04-16 04:18 J -29759369.59 -29759369.32 -29759369.02 0.0147 0.0080

Uranus -86188-03-24 02:37 J -29758661.66 -29758661.39 -29758661.09 0.0147 0.0076
 Neptune -86186-10-02 15:35 J -29757739.07 -29757738.85 -29757738.59 0.0088 0.0049
 Neptune -86184-08-25 23:15 J -29757045.78 -29757045.53 -29757045.24 0.0088 0.0029
 Saturn -86180-07-07 16:47 J -29755634.05 -29755633.80 -29755633.53 0.0284 0.0055
 Jupiter -86176-03-14 21:49 J -29754287.83 -29754287.59 -29754287.35 0.0530 0.0155
 Saturn -86164-08-04 21:35 J -29749761.85 -29749761.60 -29749761.31 0.0277 0.0155
 Saturn -86150-08-24 06:56 J -29744629.46 -29744629.21 -29744628.96 0.0282 0.0105
 Uranus -86148-07-16 11:30 J -29743937.24 -29743937.02 -29743936.79 0.0131 0.0081
 Uranus -86146-06-15 01:39 J -29743238.72 -29743238.43 -29743238.15 0.0132 0.0008
 Uranus -86144-05-13 20:08 J -29742539.83 -29742539.66 -29742539.46 0.0132 0.0099
 Saturn -86136-09-14 23:30 J -29739493.72 -29739493.52 -29739493.29 0.0275 0.0205
 Saturn -86122-10-16 02:23 J -29734349.58 -29734349.40 -29734349.20 0.0285 0.0197
 Saturn -86120-10-10 20:08 J -29733623.72 -29733623.66 -29733623.58 0.0281 0.0271
 Jupiter -86111-01-28 20:23 J -29730591.94 -29730591.65 -29730591.35 0.0498 0.0154
 Saturn -86106-11-07 16:32 J -29728483.13 -29728482.81 -29728482.48 0.0276 0.0015
 Uranus -86106-12-11 21:35 J -29728448.93 -29728448.60 -29728448.26 0.0147 0.0020
 Neptune -86104-07-12 21:49 J -29727869.71 -29727869.59 -29727869.40 0.0089 0.0080
 Uranus -86104-11-18 13:54 J -29727741.04 -29727740.92 -29727740.75 0.0147 0.0132
 Neptune -86102-06-09 16:47 J -29727173.14 -29727172.80 -29727172.46 0.0089 0.0018
 Saturn -86092-12-01 15:20 J -29723345.13 -29723344.86 -29723344.60 0.0283 0.0037
 Saturn -86076-12-30 17:01 J -29717472.02 -29717471.79 -29717471.55 0.0277 0.0187
 Uranus -86063-03-10 10:18 J -29713019.33 -29713019.07 -29713018.79 0.0132 0.0046
 Saturn -86061-01-19 02:51 J -29712339.61 -29712339.38 -29712339.13 0.0282 0.0132
 Uranus -86061-02-07 01:39 J -29712320.68 -29712320.43 -29712320.15 0.0132 0.0044
 Jupiter -86058-09-04 05:59 J -29711015.43 -29711015.25 -29711015.06 0.0528 0.0347
 Saturn -86047-02-09 05:15 J -29707204.51 -29707204.28 -29707204.03 0.0275 0.0185
 Saturn -86033-03-10 22:03 J -29702060.77 -29702060.58 -29702060.36 0.0284 0.0181
 Pluto -86025-12-21 00:27 J -29698853.64 -29698853.48 -29698853.24 0.0067 0.0054
 Uranus -86023-08-30 13:11 J -29698236.14 -29698235.95 -29698235.72 0.0147 0.0116
 Neptune -86022-05-18 10:32 J -29697975.17 -29697975.06 -29697974.96 0.0088 0.0082

Jupiter -86022-06-08 19:39 J -29697953.86 -29697953.68 -29697953.50 0.0530 0.0360

Uranus -86021-08-07 15:20 J -29697528.17 -29697527.86 -29697527.53 0.0147 0.0039

Neptune -86020-04-10 19:11 J -29697281.99 -29697281.70 -29697281.42 0.0088 0.0006

Neptune -86018-03-05 01:39 J -29696588.58 -29696588.43 -29696588.24 0.0088 0.0071

Saturn -86017-04-02 23:01 J -29696193.87 -29696193.54 -29696193.22 0.0276 0.0011

Saturn -86003-04-28 09:49 J -29691055.36 -29691055.09 -29691054.83 0.0284 0.0014

86TH MILLENNIUM BCE

This is a list of transits of Mars in the 86th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-85993-07-16 14:51 J	-29687323.04	-29687322.88	-29687322.71	0.0500	0.0419		
Saturn	-85987-05-26 16:32 J	-29685183.02	-29685182.81	-29685182.58	0.0277	0.0203		
Uranus	-85981-12-03 21:49 J	-29682799.75	-29682799.59	-29682799.38	0.0131	0.0098		
Uranus	-85979-11-02 10:47 J	-29682101.33	-29682101.05	-29682100.76	0.0132	0.0010		
Uranus	-85977-10-01 02:23 J	-29681402.61	-29681402.40	-29681402.15	0.0132	0.0080		
Saturn	-85973-06-13 20:08 J	-29680050.87	-29680050.66	-29680050.42	0.0282	0.0147		
Saturn	-85959-07-05 21:49 J	-29674915.84	-29674915.59	-29674915.33	0.0275	0.0168		
Jupiter	-85957-04-23 07:54 J	-29674258.36	-29674258.17	-29674257.95	0.0498	0.0371		
Saturn	-85945-08-05 12:27 J	-29669771.18	-29669770.98	-29669770.75	0.0285	0.0162		
Pluto	-85939-06-11 20:51 J	-29667634.84	-29667634.63	-29667634.36	0.0078	0.0045		
Neptune	-85938-01-20 19:11 J	-29667412.02	-29667411.70	-29667411.36	0.0089	0.0026		
Uranus	-85938-04-27 11:01 J	-29667315.35	-29667315.04	-29667314.72	0.0147	0.0055		
Neptune	-85937-12-17 13:25 J	-29666715.13	-29666714.94	-29666714.71	0.0089	0.0071		

Uranus -85936-04-04 09:06 J -29666607.34 -29666607.12 -29666606.84 0.0147 0.0097
 Saturn -85929-08-27 17:15 J -29663905.10 -29663904.78 -29663904.45 0.0276 0.0024
 Saturn -85915-09-22 00:13 J -29658766.76 -29658766.49 -29658766.23 0.0283 0.0003
 Jupiter -85904-11-28 08:08 J -29654681.40 -29654681.16 -29654680.92 0.0528 0.0125
 Saturn -85899-10-19 23:44 J -29652894.70 -29652894.51 -29652894.30 0.0277 0.0217
 Uranus -85896-07-28 19:11 J -29651881.93 -29651881.70 -29651881.44 0.0132 0.0063
 Uranus -85894-06-27 08:23 J -29651183.43 -29651183.15 -29651182.87 0.0132 0.0025
 Uranus -85892-05-26 01:39 J -29650484.54 -29650484.43 -29650484.27 0.0132 0.0116
 Saturn -85885-11-08 05:44 J -29647761.48 -29647761.26 -29647761.04 0.0282 0.0162
 Saturn -85871-11-29 12:13 J -29642627.24 -29642626.99 -29642626.71 0.0275 0.0159
 Neptune -85857-11-24 14:23 J -29637518.15 -29637517.90 -29637517.64 0.0088 0.0039
 Saturn -85857-12-29 22:32 J -29637482.78 -29637482.56 -29637482.33 0.0284 0.0151
 Neptune -85855-10-18 23:59 J -29636824.75 -29636824.50 -29636824.24 0.0088 0.0038
 Uranus -85854-12-23 07:54 J -29636394.50 -29636394.17 -29636393.83 0.0147 0.0004
 Saturn -85840-01-20 12:42 J -29631617.30 -29631616.97 -29631616.65 0.0276 0.0030
 Jupiter -85839-10-10 17:30 J -29630989.06 -29630988.77 -29630988.48 0.0500 0.0158
 Saturn -85826-02-16 01:11 J -29626477.71 -29626477.45 -29626477.18 0.0284 0.0011
 Uranus -85813-04-23 05:59 J -29621662.37 -29621662.25 -29621662.08 0.0131 0.0114
 Uranus -85811-03-22 16:04 J -29620964.09 -29620963.83 -29620963.54 0.0132 0.0028
 Saturn -85810-03-15 07:54 J -29620606.35 -29620606.17 -29620605.97 0.0277 0.0223
 Uranus -85809-02-19 06:13 J -29620265.50 -29620265.24 -29620264.99 0.0132 0.0060
 Saturn -85796-04-03 11:30 J -29615473.23 -29615473.02 -29615472.81 0.0282 0.0171
 Saturn -85782-04-23 23:16 J -29610339.78 -29610339.53 -29610339.25 0.0275 0.0158
 Neptune -85775-09-03 01:54 J -29607650.60 -29607650.42 -29607650.16 0.0089 0.0069
 Neptune -85773-07-30 19:54 J -29606954.00 -29606953.67 -29606953.34 0.0089 0.0029
 Uranus -85771-09-10 20:23 J -29606181.90 -29606181.65 -29606181.36 0.0147 0.0090
 Uranus -85769-08-19 00:42 J -29605473.76 -29605473.47 -29605473.15 0.0147 0.0062
 Saturn -85768-05-25 16:04 J -29605194.06 -29605193.83 -29605193.60 0.0285 0.0147
 Saturn -85752-06-15 21:06 J -29599328.94 -29599328.62 -29599328.30 0.0276 0.0036
 Jupiter -85749-02-22 07:40 J -29598347.42 -29598347.18 -29598346.93 0.0528 0.0092

Saturn -85738-07-12 05:30 J -29594189.54 -29594189.27 -29594189.00 0.0283 0.0017
 Uranus -85729-12-16 01:11 J -29590744.65 -29590744.45 -29590744.20 0.0131 0.0080
 Uranus -85727-11-14 12:42 J -29590046.25 -29590045.97 -29590045.69 0.0132 0.0007
 Uranus -85725-10-13 04:32 J -29589347.49 -29589347.31 -29589347.09 0.0132 0.0095
 Saturn -85722-08-07 15:06 J -29588319.05 -29588318.87 -29588318.67 0.0277 0.0223
 Saturn -85708-08-28 02:23 J -29583184.60 -29583184.40 -29583184.18 0.0283 0.0176
 Saturn -85694-09-17 11:30 J -29578051.28 -29578051.02 -29578050.73 0.0274 0.0150
 Neptune -85693-07-10 11:30 J -29577754.16 -29577754.02 -29577753.83 0.0088 0.0072
 Pluto -85693-11-03 02:23 J -29577638.57 -29577638.40 -29577638.18 0.0078 0.0058
 Neptune -85691-06-03 19:54 J -29577060.95 -29577060.67 -29577060.38 0.0088 0.0005
 Neptune -85689-04-27 04:04 J -29576367.41 -29576367.33 -29576367.19 0.0088 0.0082
 Uranus -85686-05-08 11:44 J -29575261.33 -29575261.01 -29575260.67 0.0147 0.0032
 Jupiter -85684-01-04 08:08 J -29574654.45 -29574654.16 -29574653.86 0.0500 0.0143
 Uranus -85684-04-15 12:28 J -29574553.17 -29574552.98 -29574552.77 0.0147 0.0117
 Saturn -85680-10-18 20:23 J -29572905.88 -29572905.65 -29572905.42 0.0285 0.0141
 Saturn -85664-11-08 03:49 J -29567041.66 -29567041.34 -29567041.01 0.0275 0.0034
 Saturn -85650-12-05 14:52 J -29561901.14 -29561900.88 -29561900.61 0.0285 0.0019
 Uranus -85646-09-11 13:11 J -29560524.99 -29560524.95 -29560524.89 0.0131 0.0129
 Uranus -85644-08-09 21:06 J -29559826.88 -29559826.62 -29559826.35 0.0131 0.0045
 Uranus -85642-07-09 09:35 J -29559128.35 -29559128.10 -29559127.82 0.0132 0.0042
 Uranus -85640-06-07 03:35 J -29558429.38 -29558429.35 -29558429.26 0.0132 0.0129
 Saturn -85633-01-01 03:49 J -29556030.49 -29556030.34 -29556030.14 0.0276 0.0232
 Jupiter -85631-08-14 10:04 J -29555074.26 -29555074.08 -29555073.89 0.0526 0.0347
 Saturn -85619-01-21 06:56 J -29550896.40 -29550896.21 -29550895.99 0.0283 0.0184
 Neptune -85609-03-13 03:06 J -29547192.70 -29547192.37 -29547192.01 0.0089 0.0014
 Neptune -85607-02-07 20:23 J -29546495.73 -29546495.65 -29546495.50 0.0089 0.0085
 Saturn -85605-02-09 21:20 J -29545763.87 -29545763.61 -29545763.32 0.0274 0.0151
 Uranus -85603-01-24 16:18 J -29545048.97 -29545048.82 -29545048.63 0.0147 0.0127
 Uranus -85601-01-03 01:11 J -29544340.77 -29544340.45 -29544340.10 0.0147 0.0025
 Jupiter -85595-05-19 00:13 J -29542012.66 -29542012.49 -29542012.30 0.0528 0.0362

Saturn -85591-03-14 01:11 J -29540617.67 -29540617.45 -29540617.21 0.0286 0.0141
 Saturn -85575-04-03 23:59 J -29534752.82 -29534752.50 -29534752.18 0.0275 0.0048
 Jupiter -85566-06-23 15:49 J -29531385.02 -29531384.84 -29531384.65 0.0502 0.0396
 Saturn -85561-04-29 23:16 J -29529612.79 -29529612.53 -29529612.26 0.0284 0.0029
 Uranus -85561-05-05 06:56 J -29529607.37 -29529607.21 -29529606.99 0.0131 0.0096
 Uranus -85559-04-03 17:30 J -29528909.05 -29528908.77 -29528908.49 0.0132 0.0011
 Uranus -85557-03-02 08:08 J -29528210.39 -29528210.16 -29528209.92 0.0132 0.0075
 Saturn -85545-05-25 17:44 J -29523742.92 -29523742.76 -29523742.57 0.0276 0.0232
 Saturn -85531-06-16 15:35 J -29518608.05 -29518607.85 -29518607.64 0.0284 0.0187
 Jupiter -85530-03-31 10:04 J -29518320.25 -29518320.08 -29518319.90 0.0500 0.0406
 Neptune -85527-01-17 18:28 J -29517296.99 -29517296.73 -29517296.44 0.0088 0.0028
 Neptune -85526-12-12 01:54 J -29516603.63 -29516603.42 -29516603.16 0.0088 0.0050
 Uranus -85519-09-21 09:06 J -29514128.40 -29514128.12 -29514127.80 0.0147 0.0069
 Saturn -85517-07-06 02:08 J -29513474.69 -29513474.41 -29513474.12 0.0273 0.0132
 Uranus -85517-08-29 14:52 J -29513420.15 -29513419.88 -29513419.58 0.0147 0.0080
 Saturn -85503-08-07 16:47 J -29508329.04 -29508328.80 -29508328.56 0.0286 0.0129
 Saturn -85487-08-27 23:16 J -29502464.84 -29502464.53 -29502464.20 0.0275 0.0053
 Jupiter -85477-11-07 22:47 J -29498739.79 -29498739.55 -29498739.30 0.0526 0.0093
 Uranus -85477-12-28 03:06 J -29498689.60 -29498689.37 -29498689.10 0.0131 0.0062
 Uranus -85475-11-26 15:49 J -29497991.11 -29497990.84 -29497990.56 0.0132 0.0023
 Saturn -85473-09-23 08:08 J -29497324.43 -29497324.16 -29497323.90 0.0285 0.0033
 Uranus -85473-10-25 06:13 J -29497292.38 -29497292.24 -29497292.06 0.0132 0.0110
 Saturn -85457-10-20 05:30 J -29491453.37 -29491453.27 -29491453.13 0.0276 0.0255
 Neptune -85446-10-25 12:42 J -29487431.23 -29487430.97 -29487430.69 0.0089 0.0056
 Saturn -85445-11-14 11:01 J -29487045.07 -29487045.04 -29487044.99 0.0287 0.0284
 Neptune -85444-09-21 05:30 J -29486734.56 -29486734.27 -29486733.94 0.0089 0.0043
 Saturn -85443-11-10 12:13 J -29486319.17 -29486318.99 -29486318.79 0.0283 0.0202
 Uranus -85434-05-19 05:30 J -29483207.61 -29483207.27 -29483206.93 0.0147 0.0011
 Uranus -85432-04-26 07:25 J -29482499.29 -29482499.19 -29482499.03 0.0146 0.0135
 Saturn -85429-11-29 11:30 J -29481186.30 -29481186.02 -29481185.72 0.0274 0.0121

Saturn -85414-01-01 03:20 J -29476040.60 -29476040.36 -29476040.12 0.0286 0.0121
 Jupiter -85412-09-16 07:25 J -29475051.47 -29475051.19 -29475050.89 0.0502 0.0163
 Saturn -85398-01-22 18:13 J -29470175.04 -29470174.74 -29470174.42 0.0275 0.0082
 Uranus -85394-09-23 13:54 J -29468470.05 -29468469.92 -29468469.75 0.0131 0.0111
 Uranus -85392-08-21 23:44 J -29467771.78 -29467771.51 -29467771.23 0.0132 0.0028
 Uranus -85390-07-21 11:01 J -29467073.28 -29467073.04 -29467072.77 0.0132 0.0057
 Saturn -85384-02-17 12:28 J -29465035.24 -29465034.98 -29465034.72 0.0285 0.0053
 Saturn -85368-03-15 22:32 J -29459164.62 -29459164.56 -29459164.47 0.0276 0.0269
 Neptune -85364-09-02 17:01 J -29457532.98 -29457532.79 -29457532.56 0.0088 0.0060
 Neptune -85362-07-28 01:54 J -29456839.69 -29456839.42 -29456839.13 0.0088 0.0017
 Saturn -85356-04-10 01:25 J -29454756.52 -29454756.44 -29454756.35 0.0287 0.0272
 Saturn -85354-04-06 03:49 J -29454030.51 -29454030.34 -29454030.16 0.0284 0.0214
 Uranus -85351-02-04 15:49 J -29452995.07 -29452994.84 -29452994.58 0.0147 0.0102
 Uranus -85349-01-14 01:54 J -29452286.73 -29452286.42 -29452286.09 0.0147 0.0046
 Saturn -85340-04-26 10:04 J -29448896.38 -29448896.08 -29448895.77 0.0274 0.0090
 Saturn -85326-05-28 16:32 J -29443751.05 -29443750.81 -29443750.55 0.0286 0.0097
 Jupiter -85322-02-01 11:16 J -29442406.27 -29442406.03 -29442405.78 0.0526 0.0078
 Saturn -85310-06-18 18:56 J -29437886.00 -29437885.71 -29437885.39 0.0275 0.0100
 Uranus -85309-05-17 09:35 J -29437552.31 -29437552.10 -29437551.85 0.0132 0.0078
 Uranus -85307-04-15 19:11 J -29436853.98 -29436853.70 -29436853.41 0.0132 0.0006
 Uranus -85305-03-14 07:40 J -29436155.38 -29436155.18 -29436154.97 0.0132 0.0090
 Saturn -85296-07-14 08:08 J -29432746.41 -29432746.16 -29432745.89 0.0285 0.0069
 Pluto -85287-04-05 09:35 J -29429559.40 -29429559.10 -29429558.76 0.0067 0.0023
 Saturn -85282-07-30 05:30 J -29427617.37 -29427617.27 -29427617.15 0.0273 0.0256
 Neptune -85280-05-04 15:35 J -29426973.20 -29426972.85 -29426972.50 0.0089 0.0001
 Saturn -85268-09-04 21:20 J -29422466.73 -29422466.61 -29422466.46 0.0287 0.0246
 Uranus -85267-10-02 14:23 J -29422074.22 -29422073.90 -29422073.57 0.0147 0.0043
 Saturn -85266-08-31 21:35 J -29421740.74 -29421740.60 -29421740.46 0.0283 0.0240
 Uranus -85265-09-09 20:52 J -29421365.85 -29421365.63 -29421365.37 0.0147 0.0102
 Jupiter -85258-12-10 23:59 J -29418717.80 -29418717.50 -29418717.20 0.0502 0.0071

Saturn -85252-09-20 17:16 J -29416607.09 -29416606.78 -29416606.46 0.0274 0.0068
 Saturn -85238-10-22 15:06 J -29411462.12 -29411461.87 -29411461.61 0.0286 0.0079
 Uranus -85226-02-10 19:40 J -29407332.74 -29407332.68 -29407332.57 0.0131 0.0126
 Uranus -85224-01-09 03:35 J -29406634.61 -29406634.35 -29406634.08 0.0132 0.0045
 Uranus -85223-12-08 13:40 J -29405936.20 -29405935.93 -29405935.66 0.0132 0.0038
 Saturn -85222-11-13 19:40 J -29405595.96 -29405595.68 -29405595.39 0.0275 0.0134
 Uranus -85221-11-06 04:18 J -29405237.42 -29405237.32 -29405237.20 0.0132 0.0121
 Saturn -85208-12-09 06:13 J -29400456.49 -29400456.24 -29400455.98 0.0285 0.0096
 Jupiter -85204-07-23 21:20 J -29399133.76 -29399133.61 -29399133.45 0.0524 0.0412
 Neptune -85198-03-12 23:59 J -29397075.78 -29397075.50 -29397075.22 0.0088 0.0015
 Neptune -85196-02-03 08:52 J -29396382.33 -29396382.13 -29396381.93 0.0088 0.0062
 Saturn -85194-12-24 15:35 J -29395328.01 -29395327.85 -29395327.68 0.0273 0.0234
 Uranus -85184-06-20 17:30 J -29391861.89 -29391861.77 -29391861.60 0.0147 0.0134
 Uranus -85182-05-30 07:54 J -29391153.51 -29391153.17 -29391152.83 0.0147 0.0013
 Saturn -85179-01-29 20:08 J -29390177.81 -29390177.66 -29390177.49 0.0287 0.0227
 Saturn -85177-01-25 19:54 J -29389451.77 -29389451.67 -29389451.55 0.0283 0.0258
 Jupiter -85168-04-27 07:25 J -29386072.40 -29386072.19 -29386071.97 0.0527 0.0274
 Saturn -85163-02-15 10:32 J -29384317.39 -29384317.06 -29384316.74 0.0274 0.0038
 Saturn -85149-03-18 13:40 J -29379172.19 -29379171.93 -29379171.67 0.0286 0.0052
 Uranus -85142-10-05 15:06 J -29376415.06 -29376414.87 -29376414.66 0.0131 0.0093
 Uranus -85140-09-02 22:04 J -29375716.86 -29375716.58 -29375716.30 0.0132 0.0012
 Uranus -85138-08-02 09:06 J -29375018.35 -29375018.12 -29375017.87 0.0132 0.0070
 Saturn -85133-04-09 03:20 J -29373306.61 -29373306.36 -29373306.07 0.0275 0.0156
 Saturn -85119-05-05 04:32 J -29368167.55 -29368167.31 -29368167.07 0.0284 0.0114
 Neptune -85117-12-16 00:42 J -29367211.75 -29367211.47 -29367211.14 0.0089 0.0041
 Neptune -85115-11-12 17:30 J -29366515.01 -29366514.77 -29366514.47 0.0089 0.0057
 Saturn -85105-05-19 21:35 J -29363038.79 -29363038.60 -29363038.38 0.0273 0.0211
 Jupiter -85103-03-05 03:35 J -29362384.60 -29362384.35 -29362384.09 0.0501 0.0268
 Uranus -85099-02-15 09:35 J -29360941.36 -29360941.10 -29360940.79 0.0147 0.0078
 Uranus -85097-01-24 21:20 J -29360232.89 -29360232.61 -29360232.28 0.0147 0.0067

Saturn	-85091-06-26 17:16 J	-29357887.96	-29357887.78	-29357887.59	0.0287	0.0204
Saturn	-85089-06-21 16:04 J	-29357161.84	-29357161.83	-29357161.80	0.0283	0.0282
Saturn	-85075-07-12 15:35 J	-29352028.18	-29352027.85	-29352027.53	0.0274	0.0020
Saturn	-85061-08-12 09:49 J	-29346883.35	-29346883.09	-29346882.82	0.0285	0.0036
Uranus	-85057-05-29 07:11 J	-29345497.44	-29345497.20	-29345496.94	0.0131	0.0061
Uranus	-85055-04-27 16:04 J	-29344799.10	-29344798.83	-29344798.55	0.0132	0.0020
Uranus	-85053-03-26 03:49 J	-29344100.50	-29344100.34	-29344100.14	0.0132	0.0102
Jupiter	-85050-10-17 18:28 J	-29342799.96	-29342799.73	-29342799.50	0.0525	0.0210
Saturn	-85045-09-03 01:54 J	-29341017.66	-29341017.42	-29341017.16	0.0275	0.0177
Pluto	-85041-08-26 17:30 J	-29339564.03	-29339563.77	-29339563.47	0.0067	0.0037
Neptune	-85035-10-26 21:20 J	-29337311.84	-29337311.61	-29337311.36	0.0088	0.0047
Neptune	-85033-09-19 06:42 J	-29336618.48	-29336618.22	-29336617.94	0.0088	0.0030
Saturn	-85031-09-29 21:06 J	-29335877.86	-29335877.62	-29335877.39	0.0284	0.0135
Saturn	-85017-10-13 22:32 J	-29330749.79	-29330749.56	-29330749.34	0.0273	0.0196
Uranus	-85015-10-13 00:42 J	-29330020.80	-29330020.47	-29330020.13	0.0147	0.0023
Jupiter	-85014-07-21 16:47 J	-29329738.93	-29329738.80	-29329738.67	0.0527	0.0442
Uranus	-85013-09-20 08:23 J	-29329312.33	-29329312.15	-29329311.93	0.0147	0.0118
Saturn	-85003-11-20 10:18 J	-29325599.26	-29325599.07	-29325598.86	0.0286	0.0189

85TH MILLENNIUM BCE

This is a list of transits of Mars in the 85th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-84987-12-06 00:13 J	-29319739.81	-29319739.49	-29319739.16	0.0274	0.0008		

Jupiter -84985-08-21 03:35 J -29319115.59 -29319115.35 -29319115.10 0.0504 0.0290
 Uranus -84974-02-22 19:25 J -29315277.83 -29315277.69 -29315277.51 0.0131 0.0108
 Saturn -84972-01-06 18:28 J -29314593.99 -29314593.73 -29314593.46 0.0286 0.0020
 Uranus -84972-01-21 02:37 J -29314579.66 -29314579.39 -29314579.11 0.0132 0.0028
 Uranus -84971-12-20 12:56 J -29313881.21 -29313880.96 -29313880.70 0.0132 0.0052
 Saturn -84956-01-27 18:42 J -29308728.95 -29308728.72 -29308728.48 0.0275 0.0187
 Pluto -84955-02-17 08:08 J -29308343.35 -29308343.16 -29308342.94 0.0078 0.0055
 Neptune -84953-07-29 11:16 J -29307450.13 -29307450.03 -29307449.87 0.0089 0.0083
 Neptune -84951-06-26 03:49 J -29306753.68 -29306753.34 -29306752.99 0.0089 0.0015
 Saturn -84942-02-23 07:25 J -29303589.41 -29303589.19 -29303588.95 0.0284 0.0147
 Uranus -84932-07-01 02:52 J -29299808.60 -29299808.38 -29299808.16 0.0147 0.0112
 Uranus -84930-06-09 17:01 J -29299100.11 -29299099.79 -29299099.45 0.0147 0.0031
 Saturn -84928-03-08 18:56 J -29298461.93 -29298461.71 -29298461.47 0.0273 0.0191
 Saturn -84914-04-16 10:04 J -29293310.28 -29293310.08 -29293309.87 0.0287 0.0180
 Saturn -84898-05-01 12:42 J -29287451.29 -29287450.97 -29287450.64 0.0274 0.0005
 Jupiter -84895-01-10 12:13 J -29286466.24 -29286465.99 -29286465.74 0.0524 0.0011
 Uranus -84890-10-17 13:54 J -29284360.14 -29284359.92 -29284359.68 0.0131 0.0076
 Uranus -84888-09-14 21:35 J -29283661.88 -29283661.60 -29283661.31 0.0132 0.0004
 Uranus -84886-08-14 06:56 J -29282963.41 -29282963.21 -29282962.97 0.0132 0.0084
 Saturn -84884-06-02 01:54 J -29282305.68 -29282305.42 -29282305.15 0.0285 0.0011
 Neptune -84871-06-11 18:13 J -29277547.83 -29277547.74 -29277547.58 0.0088 0.0080
 Neptune -84869-05-05 04:18 J -29276854.61 -29276854.32 -29276854.03 0.0088 0.0002
 Saturn -84868-06-22 06:42 J -29276441.44 -29276441.22 -29276440.97 0.0275 0.0190
 Neptune -84867-03-29 12:13 J -29276161.14 -29276160.99 -29276160.84 0.0088 0.0075
 Saturn -84854-07-20 02:08 J -29271300.63 -29271300.41 -29271300.18 0.0285 0.0154
 Uranus -84847-02-26 00:56 J -29268887.77 -29268887.46 -29268887.14 0.0147 0.0056
 Uranus -84845-02-04 13:11 J -29268179.20 -29268178.95 -29268178.65 0.0147 0.0085
 Saturn -84840-08-02 06:13 J -29266173.47 -29266173.24 -29266172.99 0.0272 0.0183
 Jupiter -84831-11-15 15:06 J -29262781.17 -29262780.87 -29262780.56 0.0504 0.0007
 Saturn -84826-09-09 15:20 J -29261022.06 -29261021.86 -29261021.64 0.0287 0.0174

Saturn -84810-09-23 18:56 J -29255164.03 -29255163.71 -29255163.38 0.0274 0.0002
 Uranus -84807-07-13 02:37 J -29254140.48 -29254140.39 -29254140.27 0.0131 0.0122
 Uranus -84805-06-10 09:06 J -29253442.37 -29253442.12 -29253441.84 0.0132 0.0044
 Uranus -84803-05-09 17:01 J -29252744.06 -29252743.79 -29252743.52 0.0132 0.0035
 Uranus -84801-04-07 03:20 J -29252045.49 -29252045.36 -29252045.22 0.0132 0.0115
 Saturn -84796-10-26 13:25 J -29250017.20 -29250016.94 -29250016.67 0.0286 0.0008
 Neptune -84787-02-06 11:30 J -29246992.33 -29246992.02 -29246991.67 0.0089 0.0027
 Neptune -84785-01-04 03:49 J -29246295.52 -29246295.34 -29246295.10 0.0089 0.0072
 Saturn -84780-11-15 14:08 J -29244153.12 -29244152.91 -29244152.67 0.0275 0.0197
 Jupiter -84777-07-02 15:06 J -29243193.00 -29243192.87 -29243192.73 0.0522 0.0437
 Saturn -84766-12-13 05:16 J -29239012.49 -29239012.28 -29239012.05 0.0285 0.0161
 Uranus -84765-11-14 06:42 J -29238675.29 -29238675.22 -29238675.11 0.0147 0.0142
 Uranus -84763-10-23 23:59 J -29237966.84 -29237966.50 -29237966.16 0.0147 0.0002
 Uranus -84761-10-01 09:49 J -29237258.17 -29237258.09 -29237257.95 0.0147 0.0139
 Saturn -84752-12-25 11:16 J -29233886.27 -29233886.03 -29233885.79 0.0272 0.0186
 Jupiter -84741-04-06 03:35 J -29230131.57 -29230131.35 -29230131.14 0.0524 0.0255
 Saturn -84737-02-02 19:25 J -29228733.89 -29228733.69 -29228733.47 0.0288 0.0174
 Uranus -84722-03-06 20:37 J -29223222.83 -29223222.64 -29223222.42 0.0131 0.0091
 Saturn -84721-02-17 05:59 J -29222875.58 -29222875.25 -29222874.93 0.0273 0.0010
 Uranus -84720-02-02 02:52 J -29222524.66 -29222524.38 -29222524.10 0.0132 0.0013
 Uranus -84718-01-01 10:32 J -29221826.28 -29221826.06 -29221825.80 0.0132 0.0067
 Pluto -84709-07-11 13:11 J -29218347.14 -29218346.95 -29218346.71 0.0078 0.0053
 Saturn -84707-03-21 17:16 J -29217729.04 -29217728.78 -29217728.51 0.0286 0.0002
 Neptune -84706-12-20 00:13 J -29217090.74 -29217090.49 -29217090.21 0.0088 0.0035
 Neptune -84704-11-12 10:18 J -29216397.31 -29216397.07 -29216396.81 0.0088 0.0043
 Saturn -84691-04-09 18:56 J -29211865.93 -29211865.71 -29211865.47 0.0274 0.0194
 Uranus -84680-07-12 06:13 J -29207754.50 -29207754.24 -29207753.95 0.0147 0.0087
 Uranus -84678-06-20 23:01 J -29207045.85 -29207045.54 -29207045.22 0.0147 0.0055
 Saturn -84677-05-07 10:04 J -29206724.29 -29206724.08 -29206723.85 0.0286 0.0162
 Jupiter -84676-02-08 20:08 J -29206446.90 -29206446.66 -29206446.40 0.0504 0.0282

Saturn -84663-05-21 04:32 J -29201597.57 -29201597.31 -29201597.06 0.0272 0.0171
 Saturn -84649-06-28 03:20 J -29196445.56 -29196445.36 -29196445.13 0.0288 0.0166
 Uranus -84638-10-29 16:04 J -29192305.07 -29192304.83 -29192304.57 0.0131 0.0059
 Uranus -84636-09-26 21:35 J -29191606.87 -29191606.60 -29191606.31 0.0132 0.0020
 Uranus -84634-08-26 06:42 J -29190908.39 -29190908.22 -29190908.02 0.0132 0.0098
 Saturn -84633-07-11 17:44 J -29190588.09 -29190587.76 -29190587.43 0.0273 0.0010
 Neptune -84624-09-19 21:20 J -29187230.80 -29187230.61 -29187230.36 0.0089 0.0068
 Jupiter -84623-09-27 07:11 J -29186858.43 -29186858.20 -29186857.96 0.0522 0.0173
 Neptune -84622-08-17 11:59 J -29186534.31 -29186534.00 -29186533.65 0.0089 0.0029
 Saturn -84619-08-14 20:37 J -29185440.90 -29185440.64 -29185440.37 0.0287 0.0003
 Saturn -84603-09-03 18:28 J -29179576.93 -29179576.73 -29179576.51 0.0274 0.0211
 Uranus -84595-03-09 02:08 J -29176833.74 -29176833.41 -29176833.07 0.0147 0.0031
 Uranus -84593-02-15 17:44 J -29176124.99 -29176124.76 -29176124.53 0.0147 0.0107
 Saturn -84589-09-30 22:18 J -29174435.77 -29174435.57 -29174435.35 0.0285 0.0174
 Jupiter -84587-07-01 07:11 J -29173797.30 -29173797.20 -29173797.09 0.0525 0.0474
 Saturn -84575-10-14 02:52 J -29169309.62 -29169309.38 -29169309.10 0.0272 0.0165
 Saturn -84561-11-21 07:11 J -29164157.42 -29164157.20 -29164156.98 0.0288 0.0162
 Jupiter -84558-07-28 21:35 J -29163177.85 -29163177.60 -29163177.35 0.0506 0.0281
 Uranus -84555-07-25 04:32 J -29162085.47 -29162085.31 -29162085.13 0.0131 0.0104
 Uranus -84553-06-22 08:52 J -29161387.40 -29161387.13 -29161386.85 0.0131 0.0027
 Uranus -84551-05-21 15:49 J -29160689.10 -29160688.84 -29160688.58 0.0132 0.0050
 Uranus -84549-04-19 02:23 J -29159990.45 -29159990.40 -29159990.31 0.0132 0.0128
 Saturn -84545-12-06 02:23 J -29158298.72 -29158298.40 -29158298.08 0.0273 0.0035
 Neptune -84542-08-04 19:11 J -29157326.87 -29157326.70 -29157326.50 0.0088 0.0068
 Neptune -84540-06-28 05:16 J -29156633.56 -29156633.28 -29156632.99 0.0088 0.0010
 Neptune -84538-05-22 14:23 J -29155939.93 -29155939.90 -29155939.82 0.0088 0.0087
 Saturn -84530-01-08 15:49 J -29153152.10 -29153151.84 -29153151.57 0.0287 0.0017
 Saturn -84514-01-28 00:56 J -29147288.63 -29147288.46 -29147288.25 0.0274 0.0221
 Uranus -84513-11-24 23:30 J -29146621.71 -29146621.52 -29146621.30 0.0147 0.0118
 Uranus -84511-11-03 19:54 J -29145913.00 -29145912.67 -29145912.32 0.0147 0.0022

Saturn -84500-02-24 06:56 J -29142147.41 -29142147.21 -29142147.00 0.0286 0.0182
 Saturn -84486-03-10 18:13 J -29137020.01 -29137019.74 -29137019.44 0.0271 0.0137
 Saturn -84472-04-17 10:32 J -29131868.29 -29131868.06 -29131867.83 0.0288 0.0142
 Uranus -84470-03-18 23:01 J -29131167.75 -29131167.54 -29131167.28 0.0131 0.0073
 Jupiter -84469-12-21 01:11 J -29130524.70 -29130524.45 -29130524.20 0.0522 0.0018
 Uranus -84468-02-14 04:32 J -29130469.59 -29130469.31 -29130469.03 0.0131 0.0004
 Uranus -84466-01-13 12:42 J -29129771.17 -29129770.97 -29129770.72 0.0132 0.0082
 Neptune -84458-03-30 19:40 J -29126773.01 -29126772.68 -29126772.33 0.0089 0.0014
 Neptune -84456-02-24 10:04 J -29126076.15 -29126076.08 -29126075.93 0.0089 0.0085
 Saturn -84456-05-01 19:25 J -29126010.01 -29126009.69 -29126009.37 0.0273 0.0050
 Saturn -84442-06-04 05:01 J -29120863.56 -29120863.29 -29120863.03 0.0287 0.0029
 Uranus -84428-07-22 17:59 J -29115701.04 -29115700.75 -29115700.43 0.0147 0.0064
 Saturn -84426-06-24 23:30 J -29114998.63 -29114998.52 -29114998.39 0.0274 0.0254
 Uranus -84426-07-01 12:56 J -29114992.24 -29114991.96 -29114991.66 0.0147 0.0074
 Saturn -84412-07-21 17:30 J -29109857.95 -29109857.77 -29109857.58 0.0286 0.0205
 Jupiter -84404-10-21 19:25 J -29106843.99 -29106843.69 -29106843.39 0.0506 0.0031
 Saturn -84398-08-04 21:06 J -29104730.91 -29104730.62 -29104730.32 0.0272 0.0116
 Uranus -84388-12-12 14:37 J -29100948.01 -29100947.89 -29100947.75 0.0131 0.0116
 Uranus -84386-11-10 19:25 J -29100249.96 -29100249.69 -29100249.43 0.0131 0.0041
 Saturn -84384-09-11 04:04 J -29099579.56 -29099579.33 -29099579.09 0.0288 0.0126
 Uranus -84384-10-09 01:54 J -29099551.68 -29099551.42 -29099551.14 0.0131 0.0035
 Uranus -84382-09-07 09:35 J -29098853.23 -29098853.10 -29098852.93 0.0132 0.0112
 Neptune -84376-02-10 23:30 J -29096869.78 -29096869.52 -29096869.23 0.0088 0.0024
 Neptune -84374-01-05 08:37 J -29096176.35 -29096176.14 -29096175.90 0.0088 0.0054
 Saturn -84368-09-26 20:23 J -29093719.96 -29093719.65 -29093719.33 0.0273 0.0085
 Saturn -84354-10-29 22:32 J -29088573.81 -29088573.56 -29088573.29 0.0287 0.0055
 Jupiter -84350-06-12 14:08 J -29087252.03 -29087251.91 -29087251.79 0.0520 0.0453
 Uranus -84345-04-09 19:40 J -29085488.70 -29085488.68 -29085488.63 0.0147 0.0147
 Uranus -84343-03-19 18:13 J -29084780.08 -29084779.74 -29084779.39 0.0147 0.0010
 Uranus -84341-02-26 11:16 J -29084071.18 -29084071.03 -29084070.83 0.0147 0.0127

Saturn -84326-12-20 03:35 J -29078295.40 -29078295.35 -29078295.27 0.0289 0.0280
 Saturn -84324-12-15 15:06 J -29077569.03 -29077568.87 -29077568.70 0.0285 0.0223
 Jupiter -84314-03-16 22:32 J -29074190.79 -29074190.56 -29074190.33 0.0523 0.0215
 Saturn -84310-12-30 18:42 J -29072441.02 -29072440.72 -29072440.40 0.0272 0.0084
 Pluto -84304-12-10 18:28 J -29070269.07 -29070268.73 -29070268.40 0.0067 0.0012
 Uranus -84303-08-06 11:01 J -29070030.23 -29070030.04 -29070029.81 0.0131 0.0084
 Uranus -84301-07-04 16:47 J -29069332.07 -29069331.80 -29069331.52 0.0131 0.0009
 Uranus -84299-06-02 22:47 J -29068633.77 -29068633.55 -29068633.29 0.0132 0.0067
 Saturn -84295-02-06 02:08 J -29067289.66 -29067289.41 -29067289.16 0.0288 0.0099
 Neptune -84295-11-11 01:11 J -29067011.68 -29067011.45 -29067011.14 0.0089 0.0058
 Neptune -84293-10-07 15:35 J -29066315.13 -29066314.85 -29066314.51 0.0089 0.0042
 Saturn -84279-02-21 07:25 J -29061430.49 -29061430.19 -29061429.89 0.0273 0.0108
 Saturn -84265-03-24 21:35 J -29056284.85 -29056284.60 -29056284.34 0.0286 0.0075
 Uranus -84261-12-05 23:59 J -29054567.75 -29054567.50 -29054567.21 0.0147 0.0092
 Uranus -84259-11-14 21:35 J -29053858.91 -29053858.60 -29053858.26 0.0147 0.0046
 Saturn -84251-04-03 16:47 J -29051161.91 -29051161.80 -29051161.67 0.0271 0.0251
 Jupiter -84249-01-14 18:56 J -29050511.00 -29050510.71 -29050510.42 0.0505 0.0155
 Saturn -84237-05-16 05:01 J -29046005.41 -29046005.29 -29046005.16 0.0289 0.0253
 Saturn -84235-05-12 13:54 J -29045279.04 -29045278.92 -29045278.78 0.0285 0.0250
 Saturn -84221-05-26 05:01 J -29040151.60 -29040151.29 -29040150.96 0.0272 0.0062
 Uranus -84220-05-02 03:35 J -29039810.40 -29039810.35 -29039810.25 0.0131 0.0127
 Uranus -84218-03-31 08:37 J -29039112.38 -29039112.14 -29039111.87 0.0131 0.0053
 Uranus -84216-02-26 13:54 J -29038414.19 -29038413.92 -29038413.64 0.0131 0.0022
 Uranus -84214-01-25 19:25 J -29037715.85 -29037715.69 -29037715.48 0.0132 0.0097
 Neptune -84213-09-26 16:32 J -29037106.00 -29037105.81 -29037105.57 0.0088 0.0059
 Neptune -84211-08-21 03:06 J -29036412.64 -29036412.37 -29036412.08 0.0088 0.0020
 Saturn -84207-07-03 03:20 J -29035000.61 -29035000.36 -29035000.10 0.0287 0.0078
 Jupiter -84196-09-05 07:54 J -29030918.38 -29030918.17 -29030917.95 0.0521 0.0265
 Saturn -84191-07-18 17:01 J -29029141.06 -29029140.79 -29029140.50 0.0273 0.0135
 Saturn -84177-08-19 20:23 J -29023994.89 -29023994.65 -29023994.40 0.0287 0.0100

Uranus	-84176-08-03 07:11 J	-29023646.53	-29023646.20	-29023645.87	0.0147	0.0036
Uranus	-84174-07-13 03:20 J	-29022937.61	-29022937.36	-29022937.10	0.0147	0.0099
Saturn	-84163-08-29 00:56 J	-29018872.62	-29018872.46	-29018872.29	0.0271	0.0232
Jupiter	-84160-06-09 03:35 J	-29017857.53	-29017857.35	-29017857.18	0.0523	0.0368
Saturn	-84149-10-10 05:30 J	-29013716.41	-29013716.27	-29013716.10	0.0288	0.0234
Saturn	-84147-10-06 12:42 J	-29012990.04	-29012989.97	-29012989.87	0.0285	0.0269
Uranus	-84136-12-25 02:37 J	-29008892.57	-29008892.39	-29008892.19	0.0131	0.0095
Uranus	-84134-11-23 07:40 J	-29008194.45	-29008194.18	-29008193.90	0.0131	0.0022
Saturn	-84133-10-20 02:37 J	-29007862.71	-29007862.39	-29007862.07	0.0272	0.0044
Uranus	-84132-10-21 11:44 J	-29007496.25	-29007496.01	-29007495.74	0.0131	0.0053
Jupiter	-84131-07-02 11:30 J	-29007242.16	-29007242.02	-29007241.85	0.0507	0.0430
Uranus	-84130-09-19 18:56 J	-29006797.76	-29006797.71	-29006797.60	0.0132	0.0127
Neptune	-84129-05-20 21:06 J	-29006553.96	-29006553.62	-29006553.27	0.0089	0.0004
Saturn	-84119-11-27 21:49 J	-29002710.84	-29002710.59	-29002710.32	0.0288	0.0057
Saturn	-84103-12-12 18:56 J	-28996851.97	-28996851.71	-28996851.43	0.0273	0.0151
Jupiter	-84095-04-09 15:35 J	-28994177.02	-28994176.85	-28994176.67	0.0505	0.0409
Uranus	-84093-04-21 12:28 J	-28993434.17	-28993433.98	-28993433.74	0.0148	0.0116
Uranus	-84091-03-31 12:42 J	-28992725.31	-28992724.97	-28992724.63	0.0147	0.0019
Saturn	-84088-01-13 15:35 J	-28991706.09	-28991705.85	-28991705.61	0.0286	0.0116
Saturn	-84074-01-22 10:32 J	-28986584.23	-28986584.06	-28986583.86	0.0271	0.0222
Saturn	-84060-03-06 15:20 J	-28981427.03	-28981426.86	-28981426.69	0.0289	0.0220
Saturn	-84058-03-03 00:42 J	-28980700.47	-28980700.47	-28980700.46	0.0285	0.0285
Uranus	-84051-08-19 01:25 J	-28977974.68	-28977974.44	-28977974.20	0.0131	0.0063
Uranus	-84049-07-17 04:04 J	-28977276.61	-28977276.33	-28977276.05	0.0131	0.0009
Neptune	-84047-04-05 18:28 J	-28976649.01	-28976648.73	-28976648.44	0.0088	0.0016
Uranus	-84047-06-15 08:52 J	-28976578.32	-28976578.13	-28976577.89	0.0131	0.0083
Neptune	-84045-02-28 04:18 J	-28975955.51	-28975955.32	-28975955.10	0.0088	0.0062
Saturn	-84044-03-15 23:59 J	-28975573.82	-28975573.50	-28975573.17	0.0272	0.0030
Jupiter	-84042-11-29 19:54 J	-28974584.92	-28974584.67	-28974584.42	0.0520	0.0086
Saturn	-84030-04-23 12:56 J	-28970422.22	-28970421.96	-28970421.69	0.0288	0.0044

Saturn -84014-05-07 19:25 J -28964563.95 -28964563.69 -28964563.42 0.0273 0.0159

Uranus -84009-12-17 14:23 J -28962513.19 -28962512.90 -28962512.57 0.0148 0.0063

Uranus -84007-11-26 13:54 J -28961804.20 -28961803.92 -28961803.60 0.0148 0.0072

84TH MILLENNIUM BCE

This is a list of transits of Mars in the 84th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-84000-06-09 18:56 J	-28959416.94	-28959416.71	-28959416.46	0.0287	0.0128		
Saturn	-83986-06-18 05:01 J	-28954295.48	-28954295.29	-28954295.07	0.0270	0.0210		
Jupiter	-83977-09-25 17:16 J	-28950908.07	-28950907.78	-28950907.49	0.0508	0.0151		
Saturn	-83972-07-31 02:08 J	-28949138.58	-28949138.41	-28949138.22	0.0289	0.0210		
Pluto	-83972-10-27 04:32 J	-28949050.55	-28949050.31	-28949050.02	0.0078	0.0033		
Uranus	-83968-05-14 20:08 J	-28947754.81	-28947754.66	-28947754.47	0.0131	0.0104		
Uranus	-83966-04-12 22:47 J	-28947056.81	-28947056.55	-28947056.27	0.0131	0.0033		
Neptune	-83965-01-02 00:28 J	-28946792.75	-28946792.48	-28946792.17	0.0089	0.0049		
Uranus	-83964-03-11 02:23 J	-28946358.65	-28946358.40	-28946358.12	0.0131	0.0041		
Neptune	-83964-11-28 13:25 J	-28946096.20	-28946095.94	-28946095.63	0.0089	0.0049		
Uranus	-83962-02-07 08:23 J	-28945660.27	-28945660.15	-28945659.98	0.0131	0.0112		
Saturn	-83956-08-08 15:35 J	-28943286.17	-28943285.85	-28943285.52	0.0272	0.0028		
Saturn	-83942-09-17 07:25 J	-28938133.45	-28938133.19	-28938132.92	0.0289	0.0038		
Uranus	-83926-09-05 13:25 J	-28932301.01	-28932300.94	-28932300.82	0.0148	0.0142		
Saturn	-83926-10-01 07:25 J	-28932275.44	-28932275.19	-28932274.92	0.0273	0.0168		
Uranus	-83924-08-14 15:06 J	-28931592.21	-28931591.87	-28931591.53	0.0148	0.0009		

Jupiter -83923-05-21 20:52 J -28931311.66 -28931311.63 -28931311.57 0.0518 0.0509
 Uranus -83922-07-24 12:28 J -28930883.15 -28930882.98 -28930882.77 0.0147 0.0122
 Saturn -83912-11-03 01:54 J -28927128.65 -28927128.42 -28927128.18 0.0287 0.0137
 Saturn -83898-11-10 15:35 J -28922008.04 -28922007.85 -28922007.63 0.0271 0.0211
 Jupiter -83887-02-23 08:23 J -28918250.39 -28918250.15 -28918249.91 0.0521 0.0167
 Neptune -83884-11-19 07:11 J -28916885.43 -28916885.20 -28916884.96 0.0088 0.0052
 Saturn -83884-12-24 10:47 J -28916850.24 -28916850.05 -28916849.87 0.0290 0.0208
 Uranus -83883-01-06 18:42 J -28916836.93 -28916836.72 -28916836.47 0.0131 0.0073
 Neptune -83882-10-13 18:42 J -28916191.98 -28916191.72 -28916191.43 0.0088 0.0026
 Uranus -83882-12-05 22:32 J -28916138.84 -28916138.56 -28916138.28 0.0131 0.0002
 Uranus -83880-11-03 03:06 J -28915440.60 -28915440.37 -28915440.13 0.0131 0.0070
 Saturn -83867-01-02 03:06 J -28910997.70 -28910997.37 -28910997.04 0.0271 0.0018
 Saturn -83853-02-10 11:16 J -28905845.29 -28905845.03 -28905844.77 0.0288 0.0030
 Uranus -83841-05-02 14:52 J -28901380.15 -28901379.88 -28901379.61 0.0148 0.0089
 Uranus -83839-04-11 15:35 J -28900671.17 -28900670.85 -28900670.52 0.0148 0.0042
 Saturn -83837-02-23 12:13 J -28899988.23 -28899987.99 -28899987.71 0.0273 0.0165
 Saturn -83823-03-29 06:56 J -28894840.43 -28894840.21 -28894839.96 0.0288 0.0139
 Jupiter -83823-12-20 23:59 J -28894573.79 -28894573.50 -28894573.20 0.0508 0.0129
 Saturn -83809-04-05 04:47 J -28889719.51 -28889719.30 -28889719.06 0.0270 0.0198
 Uranus -83801-10-02 16:32 J -28886616.93 -28886616.81 -28886616.64 0.0131 0.0113
 Neptune -83800-07-11 16:32 J -28886335.15 -28886334.81 -28886334.46 0.0089 0.0003
 Uranus -83799-08-31 19:25 J -28885918.94 -28885918.69 -28885918.41 0.0131 0.0043
 Uranus -83797-07-29 23:16 J -28885220.79 -28885220.53 -28885220.25 0.0131 0.0030
 Saturn -83795-05-19 14:23 J -28884562.08 -28884561.90 -28884561.70 0.0290 0.0203
 Uranus -83795-06-28 03:20 J -28884522.52 -28884522.36 -28884522.16 0.0131 0.0101
 Saturn -83779-05-27 09:49 J -28878710.41 -28878710.09 -28878709.76 0.0271 0.0020
 Jupiter -83769-08-15 15:35 J -28874977.08 -28874976.85 -28874976.63 0.0518 0.0243
 Saturn -83765-07-05 11:30 J -28873557.28 -28873557.02 -28873556.75 0.0289 0.0031
 Uranus -83757-12-28 23:44 J -28870458.84 -28870458.51 -28870458.18 0.0148 0.0035
 Uranus -83755-12-07 23:01 J -28869749.79 -28869749.54 -28869749.26 0.0148 0.0095

Saturn -83749-07-19 02:08 J -28867699.63 -28867699.41 -28867699.14 0.0272 0.0179
 Saturn -83735-08-22 12:56 J -28862552.18 -28862551.96 -28862551.72 0.0287 0.0147
 Jupiter -83733-05-19 17:01 J -28861915.95 -28861915.79 -28861915.63 0.0521 0.0397
 Saturn -83721-08-28 17:59 J -28857431.97 -28857431.75 -28857431.52 0.0270 0.0195
 Neptune -83718-05-29 06:13 J -28856428.52 -28856428.24 -28856427.95 0.0088 0.0011
 Neptune -83716-04-21 16:04 J -28855734.99 -28855734.83 -28855734.62 0.0088 0.0067
 Uranus -83716-05-27 16:47 J -28855699.00 -28855698.80 -28855698.56 0.0131 0.0082
 Uranus -83714-04-25 20:52 J -28855000.91 -28855000.63 -28855000.35 0.0131 0.0011
 Uranus -83712-03-23 23:44 J -28854302.75 -28854302.51 -28854302.25 0.0131 0.0059
 Uranus -83710-02-20 04:04 J -28853604.37 -28853604.33 -28853604.29 0.0131 0.0130
 Saturn -83707-10-12 12:42 J -28852274.16 -28852273.97 -28852273.78 0.0290 0.0202
 Jupiter -83704-06-08 07:54 J -28851304.33 -28851304.17 -28851304.00 0.0510 0.0425
 Saturn -83691-10-21 06:28 J -28846421.56 -28846421.23 -28846420.90 0.0271 0.0001
 Saturn -83677-11-28 22:04 J -28841268.84 -28841268.58 -28841268.31 0.0289 0.0020
 Uranus -83674-09-17 07:54 J -28840246.37 -28840246.17 -28840245.92 0.0148 0.0111
 Uranus -83672-08-26 09:20 J -28839537.45 -28839537.11 -28839536.77 0.0148 0.0019
 Uranus -83670-08-05 08:52 J -28838828.13 -28838828.13 -28838828.09 0.0148 0.0147
 Jupiter -83668-03-16 19:11 J -28838238.84 -28838238.70 -28838238.53 0.0507 0.0435
 Saturn -83661-12-11 19:25 J -28835411.92 -28835411.69 -28835411.44 0.0272 0.0182
 Saturn -83646-01-15 14:52 J -28830264.09 -28830263.88 -28830263.64 0.0288 0.0151
 Neptune -83636-02-21 16:47 J -28826574.08 -28826573.80 -28826573.48 0.0089 0.0043
 Neptune -83634-01-19 04:32 J -28825877.55 -28825877.31 -28825877.00 0.0089 0.0054
 Uranus -83633-02-21 16:04 J -28825478.95 -28825478.83 -28825478.71 0.0131 0.0119
 Saturn -83632-01-22 20:08 J -28825142.90 -28825142.66 -28825142.40 0.0270 0.0173
 Uranus -83631-01-19 19:40 J -28824780.92 -28824780.68 -28824780.41 0.0131 0.0050
 Uranus -83630-12-18 23:01 J -28824082.81 -28824082.54 -28824082.26 0.0131 0.0020
 Uranus -83628-11-16 01:54 J -28823384.60 -28823384.42 -28823384.20 0.0131 0.0090
 Saturn -83618-03-08 05:30 J -28819985.46 -28819985.27 -28819985.06 0.0290 0.0188
 Jupiter -83615-11-09 17:59 J -28818643.00 -28818642.75 -28818642.50 0.0519 0.0031
 Saturn -83602-03-16 09:35 J -28814133.42 -28814133.10 -28814132.77 0.0271 0.0009

Uranus -83589-05-14 22:18 J -28809324.87 -28809324.57 -28809324.24 0.0148 0.0056
 Saturn -83588-04-24 02:23 J -28808980.66 -28808980.40 -28808980.13 0.0289 0.0014
 Uranus -83587-04-24 00:28 J -28808615.78 -28808615.48 -28808615.18 0.0148 0.0073
 Saturn -83572-05-08 05:44 J -28803122.46 -28803122.26 -28803122.04 0.0272 0.0210
 Pluto -83566-03-27 01:11 J -28800973.79 -28800973.45 -28800973.10 0.0067 0.0001
 Saturn -83558-06-11 15:49 J -28797975.04 -28797974.84 -28797974.61 0.0288 0.0169
 Neptune -83554-01-11 15:49 J -28796665.06 -28796664.84 -28796664.58 0.0088 0.0049
 Neptune -83553-12-05 03:20 J -28795971.61 -28795971.36 -28795971.06 0.0088 0.0030
 Jupiter -83550-09-02 15:49 J -28794970.12 -28794969.84 -28794969.54 0.0509 0.0150
 Uranus -83549-10-15 18:56 J -28794560.89 -28794560.71 -28794560.48 0.0131 0.0089
 Uranus -83547-09-13 22:04 J -28793862.85 -28793862.58 -28793862.29 0.0131 0.0019
 Uranus -83545-08-11 23:59 J -28793164.76 -28793164.50 -28793164.24 0.0131 0.0051
 Saturn -83544-06-18 10:04 J -28792854.33 -28792854.08 -28792853.80 0.0270 0.0158
 Uranus -83543-07-11 03:20 J -28792466.47 -28792466.36 -28792466.24 0.0131 0.0120
 Saturn -83530-08-01 15:35 J -28787697.06 -28787696.85 -28787696.64 0.0290 0.0176
 Saturn -83514-08-11 02:23 J -28781843.72 -28781843.40 -28781843.07 0.0271 0.0041
 Uranus -83506-02-01 04:47 J -28779112.44 -28779112.30 -28779112.12 0.0148 0.0130
 Uranus -83504-01-10 07:40 J -28778403.52 -28778403.18 -28778402.84 0.0148 0.0002
 Uranus -83503-12-20 09:35 J -28777694.25 -28777694.10 -28777693.89 0.0148 0.0126
 Saturn -83500-09-18 12:13 J -28776691.25 -28776690.99 -28776690.72 0.0289 0.0011
 Jupiter -83496-05-01 11:30 J -28775370.11 -28775370.02 -28775369.92 0.0516 0.0476
 Saturn -83484-10-02 05:16 J -28770833.43 -28770833.28 -28770833.08 0.0272 0.0229
 Neptune -83473-10-04 19:11 J -28766812.70 -28766812.70 -28766812.68 0.0089 0.0089
 Neptune -83471-09-01 04:18 J -28766116.65 -28766116.32 -28766115.97 0.0089 0.0007
 Saturn -83470-11-05 08:23 J -28765686.34 -28765686.15 -28765685.94 0.0288 0.0185
 Uranus -83466-07-12 17:59 J -28764340.83 -28764340.75 -28764340.66 0.0131 0.0125
 Uranus -83464-06-09 21:35 J -28763642.84 -28763642.60 -28763642.34 0.0131 0.0057
 Uranus -83462-05-08 23:30 J -28762944.80 -28762944.52 -28762944.24 0.0131 0.0012
 Jupiter -83460-02-02 20:23 J -28762308.89 -28762308.65 -28762308.42 0.0519 0.0181
 Uranus -83460-04-06 01:11 J -28762246.65 -28762246.45 -28762246.21 0.0131 0.0081

Saturn -83456-11-13 05:44 J -28760564.54 -28760564.26 -28760563.96 0.0270 0.0126
 Saturn -83442-12-27 08:52 J -28755407.34 -28755407.13 -28755406.89 0.0290 0.0151
 Saturn -83425-01-05 11:01 J -28749554.35 -28749554.04 -28749553.72 0.0271 0.0063
 Uranus -83422-09-29 12:28 J -28748191.25 -28748190.98 -28748190.67 0.0148 0.0077
 Uranus -83420-09-07 16:18 J -28747482.13 -28747481.82 -28747481.48 0.0148 0.0051
 Saturn -83411-02-12 08:23 J -28744402.41 -28744402.15 -28744401.88 0.0289 0.0030
 Jupiter -83396-11-25 17:44 J -28738637.06 -28738636.76 -28738636.46 0.0509 0.0040
 Saturn -83395-02-27 06:13 J -28738543.30 -28738543.24 -28738543.15 0.0272 0.0264
 Neptune -83391-08-26 22:32 J -28736901.56 -28736901.56 -28736901.51 0.0088 0.0088
 Neptune -83389-07-20 11:30 J -28736208.29 -28736208.02 -28736207.72 0.0088 0.0011
 Neptune -83387-06-13 22:47 J -28735514.70 -28735514.55 -28735514.34 0.0088 0.0068
 Uranus -83381-03-05 20:52 J -28733422.82 -28733422.63 -28733422.43 0.0131 0.0093
 Saturn -83381-04-01 05:16 J -28733396.44 -28733396.28 -28733396.09 0.0288 0.0212
 Uranus -83379-02-01 22:47 J -28732724.81 -28732724.55 -28732724.26 0.0131 0.0026
 Uranus -83377-01-01 00:28 J -28732026.73 -28732026.48 -28732026.20 0.0131 0.0043
 Uranus -83376-11-29 04:32 J -28731328.44 -28731328.31 -28731328.15 0.0131 0.0110
 Saturn -83367-04-09 19:11 J -28728275.00 -28728274.70 -28728274.39 0.0270 0.0102
 Saturn -83353-05-22 10:47 J -28723118.29 -28723118.05 -28723117.81 0.0290 0.0128
 Jupiter -83342-07-26 05:16 J -28719036.48 -28719036.28 -28719036.06 0.0517 0.0289
 Uranus -83337-05-26 14:52 J -28717270.22 -28717269.88 -28717269.54 0.0148 0.0025
 Saturn -83337-06-01 06:13 J -28717264.55 -28717264.24 -28717263.93 0.0271 0.0095
 Uranus -83335-05-05 18:42 J -28716560.96 -28716560.72 -28716560.46 0.0148 0.0101
 Saturn -83323-07-10 09:49 J -28712112.34 -28712112.09 -28712111.82 0.0289 0.0057
 Saturn -83309-07-13 06:42 J -28706995.27 -28706995.22 -28706995.16 0.0269 0.0264
 Neptune -83307-04-14 04:18 J -28706355.60 -28706355.32 -28706354.99 0.0089 0.0040
 Jupiter -83306-04-29 00:13 J -28705975.68 -28705975.49 -28705975.29 0.0519 0.0330
 Neptune -83305-03-10 14:23 J -28705659.15 -28705658.90 -28705658.62 0.0089 0.0056
 Uranus -83299-11-30 20:23 J -28703202.68 -28703202.65 -28703202.60 0.0131 0.0130
 Uranus -83297-10-29 00:28 J -28702504.72 -28702504.48 -28702504.23 0.0131 0.0062
 Saturn -83295-08-30 09:06 J -28701834.14 -28701834.12 -28701834.08 0.0291 0.0288

Uranus -83295-09-27 02:23 J -28701806.68 -28701806.40 -28701806.12 0.0131 0.0005
 Uranus -83293-08-25 04:32 J -28701108.53 -28701108.31 -28701108.06 0.0131 0.0073
 Saturn -83293-08-26 07:25 J -28701107.33 -28701107.19 -28701107.02 0.0287 0.0234
 Saturn -83279-09-04 05:59 J -28695985.56 -28695985.25 -28695984.94 0.0270 0.0077
 Saturn -83265-10-17 11:30 J -28690828.26 -28690828.02 -28690827.77 0.0290 0.0103
 Uranus -83254-02-12 21:06 J -28687057.86 -28687057.62 -28687057.35 0.0148 0.0098
 Uranus -83252-01-22 00:56 J -28686348.80 -28686348.46 -28686348.13 0.0148 0.0027
 Saturn -83249-10-26 18:28 J -28684975.03 -28684974.73 -28684974.43 0.0271 0.0116
 Jupiter -83241-02-19 08:52 J -28682303.38 -28682303.13 -28682302.88 0.0509 0.0278
 Saturn -83235-12-04 11:44 J -28679823.26 -28679823.01 -28679822.75 0.0288 0.0078
 Pluto -83234-02-12 06:13 J -28679753.49 -28679753.24 -28679752.96 0.0078 0.0034
 Neptune -83225-03-04 17:01 J -28676445.00 -28676444.79 -28676444.52 0.0088 0.0049
 Neptune -83223-01-27 05:16 J -28675751.53 -28675751.28 -28675750.99 0.0088 0.0030
 Saturn -83221-12-07 06:28 J -28674706.36 -28674706.23 -28674706.11 0.0270 0.0248
 Uranus -83214-07-25 23:30 J -28672284.69 -28672284.52 -28672284.32 0.0131 0.0099
 Uranus -83212-06-23 02:23 J -28671586.66 -28671586.40 -28671586.12 0.0131 0.0031
 Uranus -83210-05-22 05:01 J -28670888.54 -28670888.29 -28670888.01 0.0131 0.0036
 Uranus -83208-04-19 07:54 J -28670190.33 -28670190.17 -28670189.99 0.0131 0.0102
 Saturn -83206-01-25 03:35 J -28669544.44 -28669544.35 -28669544.23 0.0291 0.0268
 Saturn -83204-01-21 03:06 J -28668817.49 -28668817.37 -28668817.25 0.0288 0.0255
 Saturn -83190-01-29 13:11 J -28663696.26 -28663695.95 -28663695.62 0.0270 0.0059
 Jupiter -83188-10-18 11:59 J -28662703.24 -28662703.00 -28662702.75 0.0517 0.0127
 Saturn -83176-03-13 09:49 J -28658539.35 -28658539.09 -28658538.84 0.0290 0.0084
 Uranus -83170-10-11 06:28 J -28656136.54 -28656136.23 -28656135.89 0.0148 0.0046
 Uranus -83168-09-19 10:32 J -28655427.34 -28655427.06 -28655426.76 0.0148 0.0079
 Saturn -83160-03-22 08:08 J -28652686.43 -28652686.16 -28652685.86 0.0271 0.0131
 Saturn -83146-05-01 00:13 J -28647533.74 -28647533.49 -28647533.24 0.0289 0.0096
 Neptune -83144-11-25 02:52 J -28646594.42 -28646594.38 -28646594.27 0.0089 0.0087
 Neptune -83142-10-22 12:28 J -28645898.32 -28645897.98 -28645897.63 0.0089 0.0009
 Saturn -83132-05-03 08:37 J -28642417.31 -28642417.14 -28642416.98 0.0269 0.0231

Uranus	-83129-03-19 03:06 J	-28641366.60	-28641366.37	-28641366.12	0.0131	0.0068
Uranus	-83127-02-15 06:42 J	-28640668.50	-28640668.22	-28640667.94	0.0131	0.0001
Uranus	-83125-01-14 09:06 J	-28639970.35	-28639970.12	-28639969.86	0.0131	0.0066
Uranus	-83124-12-12 11:30 J	-28639272.02	-28639272.02	-28639272.02	0.0131	0.0131
Jupiter	-83123-08-07 04:18 J	-28639034.55	-28639034.32	-28639034.07	0.0512	0.0305
Saturn	-83118-06-20 22:47 J	-28637255.67	-28637255.55	-28637255.41	0.0291	0.0253
Saturn	-83116-06-16 20:08 J	-28636528.74	-28636528.66	-28636528.57	0.0287	0.0271
Saturn	-83102-06-24 15:35 J	-28631408.16	-28631407.85	-28631407.52	0.0270	0.0052
Saturn	-83088-08-07 12:56 J	-28626250.21	-28626249.96	-28626249.70	0.0290	0.0073
Uranus	-83087-06-29 23:16 J	-28625923.73	-28625923.53	-28625923.29	0.0148	0.0114
Uranus	-83085-06-08 01:11 J	-28625214.79	-28625214.45	-28625214.11	0.0148	0.0009
Uranus	-83083-05-18 04:32 J	-28624505.43	-28624505.31	-28624505.13	0.0148	0.0132
Saturn	-83072-08-16 01:54 J	-28620397.69	-28620397.42	-28620397.13	0.0271	0.0143
Neptune	-83060-09-11 12:13 J	-28615988.27	-28615987.99	-28615987.70	0.0088	0.0010
Neptune	-83058-08-05 23:30 J	-28615294.69	-28615294.52	-28615294.32	0.0088	0.0068
Saturn	-83058-09-24 13:11 J	-28615245.18	-28615244.95	-28615244.69	0.0289	0.0109
Uranus	-83047-12-14 02:52 J	-28611146.54	-28611146.38	-28611146.19	0.0131	0.0103
Uranus	-83045-11-11 08:08 J	-28610448.42	-28610448.16	-28610447.88	0.0131	0.0036
Saturn	-83044-09-26 01:54 J	-28610129.58	-28610129.42	-28610129.24	0.0269	0.0229
Uranus	-83043-10-10 11:30 J	-28609750.28	-28609750.02	-28609749.74	0.0131	0.0030
Uranus	-83041-09-07 12:13 J	-28609052.17	-28609051.99	-28609051.79	0.0131	0.0095
Jupiter	-83033-01-12 16:47 J	-28606369.04	-28606368.80	-28606368.55	0.0517	0.0105
Saturn	-83030-11-14 15:49 J	-28604966.97	-28604966.84	-28604966.69	0.0292	0.0247
Saturn	-83028-11-10 17:16 J	-28604239.84	-28604239.78	-28604239.71	0.0288	0.0279
Saturn	-83014-11-18 05:16 J	-28599119.60	-28599119.28	-28599118.95	0.0269	0.0040
Uranus	-83002-02-25 11:01 J	-28595002.34	-28595002.04	-28595001.71	0.0148	0.0062

83RD MILLENNIUM BCE

This is a list of transits of Mars in the 83rd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-83000-02-03 14:08 J	-28594293.20	-28594292.91	-28594292.58	0.0148	0.0061		
Saturn	-83000-12-31 21:06 J	-28593961.88	-28593961.62	-28593961.36	0.0290	0.0063		
Saturn	-82983-01-08 10:32 J	-28588110.33	-28588110.06	-28588109.78	0.0271	0.0141		
Neptune	-82978-06-04 10:18 J	-28586137.34	-28586137.07	-28586136.73	0.0089	0.0039		
Neptune	-82976-04-30 19:25 J	-28585440.91	-28585440.69	-28585440.39	0.0089	0.0058		
Saturn	-82969-02-17 23:44 J	-28582956.75	-28582956.51	-28582956.26	0.0290	0.0113		
Jupiter	-82969-10-31 05:30 J	-28582700.57	-28582700.27	-28582699.98	0.0512	0.0040		
Uranus	-82962-08-08 07:40 J	-28580228.39	-28580228.18	-28580227.93	0.0131	0.0072		
Uranus	-82960-07-06 12:13 J	-28579530.27	-28579529.99	-28579529.71	0.0131	0.0006		
Uranus	-82958-06-04 13:11 J	-28578832.19	-28578831.95	-28578831.69	0.0131	0.0059		
Uranus	-82956-05-02 14:37 J	-28578133.96	-28578133.89	-28578133.78	0.0131	0.0123		
Saturn	-82955-02-19 14:08 J	-28577841.09	-28577840.91	-28577840.71	0.0268	0.0216		
Saturn	-82941-04-08 20:23 J	-28572678.80	-28572678.65	-28572678.50	0.0292	0.0240		
Saturn	-82939-04-05 21:20 J	-28571951.61	-28571951.61	-28571951.59	0.0288	0.0288		
Saturn	-82925-04-11 12:13 J	-28566832.32	-28566831.99	-28566831.67	0.0269	0.0041		
Uranus	-82920-11-13 23:59 J	-28564789.63	-28564789.50	-28564789.31	0.0148	0.0130		
Uranus	-82918-10-24 00:28 J	-28564080.82	-28564080.48	-28564080.13	0.0148	0.0010		
Uranus	-82916-10-02 04:32 J	-28563371.51	-28563371.31	-28563371.07	0.0148	0.0112		
Jupiter	-82915-07-04 21:35 J	-28563095.80	-28563095.60	-28563095.39	0.0515	0.0299		
Saturn	-82911-05-26 23:16 J	-28561673.79	-28561673.53	-28561673.27	0.0291	0.0062		
Neptune	-82896-04-26 16:32 J	-28556225.04	-28556224.81	-28556224.56	0.0088	0.0050		
Saturn	-82895-06-03 20:08 J	-28555821.92	-28555821.66	-28555821.38	0.0270	0.0154		

Neptune -82894-03-21 05:44 J -28555531.53 -28555531.26 -28555530.99 0.0088 0.0029
 Saturn -82881-07-13 03:20 J -28550668.60 -28550668.36 -28550668.12 0.0290 0.0120
 Jupiter -82879-04-08 00:56 J -28550034.65 -28550034.46 -28550034.26 0.0517 0.0335
 Uranus -82879-05-04 05:59 J -28550008.41 -28550008.25 -28550008.08 0.0131 0.0107
 Uranus -82877-04-01 12:13 J -28549310.26 -28549309.99 -28549309.73 0.0131 0.0041
 Uranus -82875-02-28 14:08 J -28548612.18 -28548611.91 -28548611.63 0.0131 0.0024
 Uranus -82873-01-27 14:52 J -28547914.06 -28547913.88 -28547913.65 0.0131 0.0088
 Saturn -82867-07-14 23:30 J -28545553.70 -28545553.52 -28545553.31 0.0268 0.0216
 Saturn -82853-09-01 16:32 J -28540390.95 -28540390.81 -28540390.65 0.0292 0.0240
 Saturn -82837-09-05 02:37 J -28534543.72 -28534543.39 -28534543.06 0.0269 0.0024
 Uranus -82835-07-12 01:40 J -28533868.70 -28533868.43 -28533868.12 0.0148 0.0081
 Uranus -82833-06-20 03:20 J -28533159.67 -28533159.36 -28533159.01 0.0148 0.0040
 Pluto -82829-07-10 00:42 J -28531678.79 -28531678.47 -28531678.11 0.0067 0.0013
 Saturn -82823-10-20 04:04 J -28529385.59 -28529385.33 -28529385.07 0.0291 0.0055
 Neptune -82814-01-15 10:18 J -28526376.16 -28526376.07 -28526375.98 0.0089 0.0085
 Jupiter -82814-01-26 04:04 J -28526365.58 -28526365.33 -28526365.08 0.0511 0.0278
 Neptune -82813-12-11 17:16 J -28525680.12 -28525679.78 -28525679.44 0.0089 0.0010
 Saturn -82807-10-27 06:42 J -28523534.48 -28523534.22 -28523533.94 0.0270 0.0155
 Uranus -82795-12-27 09:49 J -28519090.29 -28519090.09 -28519089.84 0.0131 0.0078
 Uranus -82793-11-24 14:37 J -28518392.16 -28518391.89 -28518391.61 0.0131 0.0012
 Saturn -82793-12-06 00:56 J -28518380.70 -28518380.46 -28518380.22 0.0290 0.0122
 Uranus -82791-10-23 16:18 J -28517694.07 -28517693.82 -28517693.56 0.0131 0.0052
 Uranus -82789-09-20 17:59 J -28516995.87 -28516995.75 -28516995.61 0.0131 0.0115
 Saturn -82779-12-08 18:56 J -28513264.92 -28513264.71 -28513264.48 0.0268 0.0195
 Saturn -82764-01-26 00:28 J -28508102.63 -28508102.48 -28508102.31 0.0292 0.0231
 Jupiter -82761-09-28 05:30 J -28506761.53 -28506761.27 -28506761.02 0.0515 0.0071
 Uranus -82752-03-30 10:18 J -28503656.07 -28503656.07 -28503656.03 0.0147 0.0147
 Uranus -82750-03-09 06:56 J -28502947.53 -28502947.21 -28502946.86 0.0148 0.0031
 Saturn -82748-01-28 21:06 J -28502255.94 -28502255.62 -28502255.29 0.0269 0.0019
 Uranus -82748-02-15 09:35 J -28502238.35 -28502238.10 -28502237.80 0.0148 0.0089

Saturn -82734-03-15 00:28 J -28497097.74 -28497097.48 -28497097.21 0.0292 0.0051
 Neptune -82733-12-09 20:08 J -28496461.66 -28496461.66 -28496461.61 0.0088 0.0088
 Neptune -82731-11-03 11:30 J -28495768.30 -28495768.02 -28495767.72 0.0088 0.0010
 Neptune -82729-09-27 00:28 J -28495074.63 -28495074.48 -28495074.27 0.0088 0.0069
 Saturn -82718-03-23 07:25 J -28491245.43 -28491245.19 -28491244.94 0.0270 0.0179
 Uranus -82712-09-22 07:11 J -28488870.32 -28488870.20 -28488870.03 0.0132 0.0112
 Uranus -82710-08-21 14:08 J -28488172.17 -28488171.91 -28488171.65 0.0131 0.0047
 Uranus -82708-07-19 16:32 J -28487474.08 -28487473.81 -28487473.53 0.0131 0.0018
 Uranus -82706-06-17 18:56 J -28486775.92 -28486775.71 -28486775.49 0.0131 0.0080
 Saturn -82704-05-01 14:37 J -28486092.12 -28486091.89 -28486091.65 0.0290 0.0135
 Jupiter -82696-07-14 09:35 J -28483096.34 -28483096.10 -28483095.85 0.0513 0.0289
 Saturn -82690-05-03 22:18 J -28480976.79 -28480976.57 -28480976.32 0.0268 0.0184
 Saturn -82676-06-21 00:13 J -28475814.65 -28475814.49 -28475814.31 0.0292 0.0223
 Uranus -82668-11-25 12:56 J -28472735.19 -28472734.96 -28472734.68 0.0147 0.0100
 Uranus -82666-11-04 11:16 J -28472026.36 -28472026.03 -28472025.68 0.0148 0.0018
 Uranus -82664-10-13 13:25 J -28471317.04 -28471316.94 -28471316.77 0.0148 0.0136
 Jupiter -82660-04-20 21:06 J -28470031.63 -28470031.62 -28470031.59 0.0511 0.0509
 Saturn -82660-06-25 03:49 J -28469966.66 -28469966.34 -28469966.01 0.0269 0.0010
 Neptune -82649-07-24 17:01 J -28465919.08 -28465918.79 -28465918.47 0.0089 0.0037
 Neptune -82647-06-21 00:28 J -28465222.71 -28465222.48 -28465222.20 0.0089 0.0059
 Saturn -82646-08-08 23:30 J -28464808.79 -28464808.52 -28464808.26 0.0292 0.0034
 Jupiter -82642-03-21 02:08 J -28463488.47 -28463488.41 -28463488.33 0.0513 0.0491
 Saturn -82630-08-16 19:25 J -28458956.90 -28458956.69 -28458956.45 0.0270 0.0194
 Uranus -82627-05-17 10:18 J -28457952.29 -28457952.07 -28457951.85 0.0132 0.0082
 Uranus -82625-04-14 14:52 J -28457254.15 -28457253.88 -28457253.59 0.0131 0.0019
 Uranus -82623-03-13 18:28 J -28456555.98 -28456555.73 -28456555.46 0.0131 0.0045
 Uranus -82621-02-09 20:08 J -28455857.80 -28455857.66 -28455857.48 0.0131 0.0108
 Saturn -82616-09-24 21:49 J -28453803.81 -28453803.59 -28453803.35 0.0290 0.0147
 Jupiter -82607-12-23 12:56 J -28450427.20 -28450426.96 -28450426.72 0.0516 0.0159
 Saturn -82602-09-28 09:49 J -28448687.35 -28448687.09 -28448686.82 0.0268 0.0155

Saturn -82588-11-15 08:08 J -28443525.35 -28443525.16 -28443524.97 0.0292 0.0203
 Uranus -82583-07-24 00:56 J -28441813.77 -28441813.46 -28441813.12 0.0148 0.0049
 Uranus -82581-07-02 00:13 J -28441104.78 -28441104.49 -28441104.17 0.0148 0.0068
 Saturn -82572-11-19 01:54 J -28437677.74 -28437677.42 -28437677.09 0.0269 0.0029
 Neptune -82567-06-18 17:01 J -28436005.02 -28436004.79 -28436004.53 0.0088 0.0048
 Neptune -82565-05-12 06:56 J -28435311.47 -28435311.21 -28435310.93 0.0088 0.0030
 Saturn -82557-01-02 12:13 J -28432520.26 -28432519.99 -28432519.73 0.0291 0.0017
 Uranus -82544-02-10 05:30 J -28427732.39 -28427732.27 -28427732.13 0.0132 0.0116
 Uranus -82542-01-09 12:42 J -28427034.21 -28427033.97 -28427033.69 0.0131 0.0053
 Jupiter -82542-10-07 16:32 J -28426763.10 -28426762.81 -28426762.52 0.0513 0.0086
 Saturn -82541-01-11 14:08 J -28426667.07 -28426666.91 -28426666.72 0.0270 0.0227
 Uranus -82541-12-07 18:28 J -28426336.00 -28426335.73 -28426335.44 0.0131 0.0012
 Uranus -82539-11-05 21:20 J -28425637.82 -28425637.61 -28425637.36 0.0131 0.0074
 Saturn -82527-02-19 11:44 J -28421514.21 -28421514.01 -28421513.79 0.0290 0.0171
 Saturn -82513-02-22 16:04 J -28416398.11 -28416397.83 -28416397.55 0.0268 0.0133
 Uranus -82500-04-11 17:44 J -28411600.95 -28411600.76 -28411600.51 0.0147 0.0114
 Saturn -82499-04-11 04:04 J -28411236.54 -28411236.33 -28411236.12 0.0292 0.0182
 Uranus -82498-03-21 11:44 J -28410892.35 -28410892.01 -28410891.66 0.0148 0.0002
 Pluto -82497-05-29 16:18 J -28410457.11 -28410456.82 -28410456.53 0.0078 0.0005
 Uranus -82496-02-27 12:28 J -28410183.17 -28410182.98 -28410182.75 0.0148 0.0117
 Jupiter -82488-06-13 23:01 J -28407154.74 -28407154.54 -28407154.32 0.0514 0.0294
 Neptune -82485-03-06 18:13 J -28406157.83 -28406157.74 -28406157.60 0.0089 0.0084
 Neptune -82483-02-01 00:56 J -28405461.79 -28405461.46 -28405461.11 0.0089 0.0012
 Saturn -82483-04-15 19:40 J -28405387.99 -28405387.68 -28405387.36 0.0269 0.0060
 Saturn -82469-05-29 10:32 J -28400230.33 -28400230.06 -28400229.80 0.0291 0.0010
 Uranus -82460-10-05 08:52 J -28396814.34 -28396814.13 -28396813.92 0.0132 0.0087
 Uranus -82458-09-03 16:18 J -28396116.10 -28396115.82 -28396115.55 0.0131 0.0024
 Uranus -82456-08-01 20:08 J -28395417.91 -28395417.66 -28395417.38 0.0131 0.0040
 Uranus -82454-06-30 21:35 J -28394719.75 -28394719.60 -28394719.40 0.0131 0.0101
 Saturn -82453-06-07 01:40 J -28394377.55 -28394377.43 -28394377.31 0.0270 0.0250

Jupiter -82452-03-17 19:11 J -28394093.90 -28394093.70 -28394093.50 0.0516 0.0316
 Saturn -82439-07-16 12:42 J -28389225.15 -28389224.97 -28389224.76 0.0290 0.0194
 Saturn -82425-07-19 05:59 J -28384108.54 -28384108.25 -28384107.94 0.0268 0.0107
 Uranus -82416-12-08 04:18 J -28380679.63 -28380679.32 -28380679.01 0.0147 0.0064
 Uranus -82414-11-17 00:42 J -28379970.78 -28379970.47 -28379970.14 0.0148 0.0051
 Saturn -82411-09-06 06:13 J -28378946.45 -28378946.24 -28378946.00 0.0292 0.0156
 Neptune -82403-02-01 00:42 J -28376241.52 -28376241.47 -28376241.37 0.0088 0.0085
 Neptune -82402-12-26 15:35 J -28375548.14 -28375547.85 -28375547.56 0.0088 0.0007
 Neptune -82400-11-19 04:04 J -28374854.48 -28374854.33 -28374854.14 0.0088 0.0071
 Saturn -82395-09-10 10:18 J -28373098.38 -28373098.07 -28373097.75 0.0269 0.0084
 Jupiter -82388-12-31 06:42 J -28370429.51 -28370429.22 -28370428.94 0.0513 0.0147
 Saturn -82381-10-23 15:20 J -28367941.12 -28367940.86 -28367940.59 0.0291 0.0035
 Uranus -82377-07-01 01:25 J -28366594.53 -28366594.44 -28366594.31 0.0132 0.0121
 Uranus -82375-05-30 11:59 J -28365896.25 -28365896.00 -28365895.74 0.0132 0.0058
 Uranus -82373-04-27 18:28 J -28365198.00 -28365197.73 -28365197.45 0.0131 0.0005
 Uranus -82371-03-26 20:52 J -28364499.85 -28364499.63 -28364499.37 0.0131 0.0067
 Uranus -82369-02-22 21:49 J -28363801.62 -28363801.59 -28363801.50 0.0131 0.0128
 Saturn -82351-12-11 14:52 J -28356935.04 -28356934.88 -28356934.70 0.0290 0.0220
 Saturn -82337-12-13 20:37 J -28351818.94 -28351818.64 -28351818.32 0.0268 0.0084
 Jupiter -82334-09-07 03:06 J -28350821.62 -28350821.37 -28350821.13 0.0513 0.0142
 Uranus -82333-08-26 16:47 J -28350466.94 -28350466.80 -28350466.61 0.0147 0.0128
 Uranus -82331-08-05 07:11 J -28349758.54 -28349758.20 -28349757.86 0.0147 0.0017
 Uranus -82329-07-14 06:42 J -28349049.46 -28349049.22 -28349048.95 0.0148 0.0098
 Saturn -82322-01-31 11:16 J -28346657.26 -28346657.03 -28346656.79 0.0292 0.0131
 Neptune -82320-09-14 03:20 J -28345700.65 -28345700.36 -28345700.03 0.0089 0.0035
 Neptune -82318-08-11 10:47 J -28345004.29 -28345004.05 -28345003.80 0.0089 0.0062
 Saturn -82306-02-04 13:40 J -28340809.22 -28340808.93 -28340808.61 0.0269 0.0105
 Jupiter -82298-06-11 08:23 J -28337760.21 -28337760.15 -28337760.09 0.0516 0.0498
 Uranus -82292-02-23 03:06 J -28335676.54 -28335676.37 -28335676.15 0.0132 0.0093
 Saturn -82292-03-20 12:13 J -28335651.24 -28335650.99 -28335650.72 0.0291 0.0058

Uranus	-82290-01-22 12:56 J	-28334978.23	-28334977.96	-28334977.68	0.0131	0.0030
Uranus	-82289-12-20 17:59 J	-28334280.02	-28334279.75	-28334279.48	0.0131	0.0032
Uranus	-82287-11-18 20:23 J	-28333581.83	-28333581.65	-28333581.44	0.0131	0.0093
Saturn	-82278-03-19 08:52 J	-28330539.23	-28330539.13	-28330539.00	0.0267	0.0250
Jupiter	-82269-06-17 23:44 J	-28327160.64	-28327160.51	-28327160.36	0.0515	0.0453
Saturn	-82262-05-07 15:49 J	-28324645.97	-28324645.84	-28324645.68	0.0289	0.0241
Uranus	-82248-04-23 14:37 J	-28319546.16	-28319545.89	-28319545.60	0.0147	0.0081
Saturn	-82248-05-09 14:08 J	-28319530.22	-28319529.91	-28319529.59	0.0268	0.0071
Uranus	-82246-04-02 08:37 J	-28318837.47	-28318837.14	-28318836.80	0.0148	0.0031
Uranus	-82244-03-11 10:04 J	-28318128.14	-28318128.08	-28318128.00	0.0148	0.0144
Neptune	-82238-08-11 01:11 J	-28315784.69	-28315784.45	-28315784.18	0.0088	0.0044
Neptune	-82236-07-04 15:35 J	-28315091.10	-28315090.85	-28315090.56	0.0088	0.0035
Saturn	-82234-06-28 01:40 J	-28314367.67	-28314367.43	-28314367.18	0.0292	0.0113
Jupiter	-82233-03-25 10:32 J	-28314096.27	-28314096.06	-28314095.84	0.0513	0.0356
Saturn	-82218-07-01 19:11 J	-28308519.98	-28308519.70	-28308519.39	0.0269	0.0123
Uranus	-82210-11-19 17:30 J	-28305456.84	-28305456.77	-28305456.68	0.0132	0.0127
Uranus	-82208-10-18 06:56 J	-28304758.44	-28304758.21	-28304757.95	0.0132	0.0064
Uranus	-82206-09-16 14:23 J	-28304060.18	-28304059.90	-28304059.62	0.0131	0.0002
Saturn	-82204-08-14 10:04 J	-28303362.33	-28303362.08	-28303361.82	0.0291	0.0075
Uranus	-82204-08-14 17:16 J	-28303362.01	-28303361.78	-28303361.51	0.0131	0.0061 *
Uranus	-82202-07-13 19:40 J	-28302663.76	-28302663.68	-28302663.54	0.0131	0.0120
Saturn	-82190-08-12 17:01 J	-28298250.90	-28298250.79	-28298250.63	0.0268	0.0242
Jupiter	-82180-12-01 00:28 J	-28294487.73	-28294487.48	-28294487.22	0.0513	0.0069
Saturn	-82176-10-04 05:16 J	-28293084.31	-28293084.28	-28293084.23	0.0293	0.0289
Saturn	-82174-10-01 23:16 J	-28292356.65	-28292356.53	-28292356.40	0.0290	0.0255
Uranus	-82165-01-11 02:08 J	-28289333.45	-28289333.41	-28289333.32	0.0147	0.0144
Uranus	-82164-12-19 11:44 J	-28288625.32	-28288625.01	-28288624.66	0.0147	0.0036
Uranus	-82162-11-28 07:54 J	-28287916.44	-28287916.17	-28287915.85	0.0147	0.0077
Saturn	-82160-10-03 14:23 J	-28287241.22	-28287240.90	-28287240.57	0.0268	0.0054
Neptune	-82156-04-27 11:59 J	-28285939.14	-28285939.00	-28285938.83	0.0089	0.0079

Neptune -82154-03-24 15:49 J -28285243.16 -28285242.84 -28285242.49 0.0089 0.0017
 Saturn -82146-11-21 18:13 J -28282078.98 -28282078.74 -28282078.48 0.0292 0.0099
 Saturn -82130-11-24 16:32 J -28276232.10 -28276231.81 -28276231.52 0.0269 0.0126
 Uranus -82125-07-13 19:40 J -28274538.87 -28274538.68 -28274538.50 0.0132 0.0099
 Uranus -82123-06-12 06:28 J -28273840.50 -28273840.23 -28273839.96 0.0132 0.0036
 Uranus -82121-05-10 12:28 J -28273142.25 -28273141.98 -28273141.70 0.0131 0.0026
 Uranus -82119-04-08 16:04 J -28272444.01 -28272443.83 -28272443.60 0.0131 0.0087
 Saturn -82115-01-08 05:30 J -28271073.52 -28271073.27 -28271073.01 0.0292 0.0085
 Jupiter -82115-09-11 17:30 J -28270827.04 -28270826.77 -28270826.50 0.0515 0.0210
 Saturn -82101-01-06 12:28 J -28265962.14 -28265961.98 -28265961.80 0.0267 0.0225
 Saturn -82087-02-27 14:37 J -28260795.96 -28260795.89 -28260795.81 0.0293 0.0279
 Saturn -82085-02-25 08:08 J -28260068.24 -28260068.16 -28260068.04 0.0290 0.0266
 Uranus -82081-09-07 00:42 J -28258412.69 -28258412.47 -28258412.19 0.0147 0.0098
 Uranus -82079-08-16 14:23 J -28257704.24 -28257703.90 -28257703.56 0.0147 0.0011
 Uranus -82077-07-25 11:44 J -28256995.17 -28256995.01 -28256994.79 0.0148 0.0123
 Neptune -82074-03-26 10:18 J -28256021.17 -28256021.07 -28256020.92 0.0088 0.0080
 Neptune -82072-02-17 02:52 J -28255327.67 -28255327.38 -28255327.09 0.0088 0.0001
 Saturn -82071-02-26 04:18 J -28254953.63 -28254953.32 -28254952.99 0.0268 0.0053
 Neptune -82070-01-11 17:01 J -28254633.91 -28254633.79 -28254633.63 0.0088 0.0077
 Jupiter -82061-05-23 00:42 J -28251214.65 -28251214.47 -28251214.27 0.0511 0.0338
 Saturn -82057-04-16 02:37 J -28249790.63 -28249790.39 -28249790.13 0.0293 0.0095
 Uranus -82042-04-09 05:44 J -28244319.26 -28244319.26 -28244319.25 0.0133 0.0133
 Saturn -82041-04-19 03:49 J -28243943.60 -28243943.34 -28243943.04 0.0268 0.0141
 Uranus -82040-03-07 20:37 J -28243620.86 -28243620.64 -28243620.39 0.0132 0.0070
 Uranus -82038-02-04 05:59 J -28242922.53 -28242922.25 -28242921.97 0.0132 0.0008
 Uranus -82036-01-02 11:59 J -28242224.25 -28242224.00 -28242223.74 0.0131 0.0053
 Uranus -82035-12-01 16:18 J -28241525.94 -28241525.82 -28241525.65 0.0131 0.0112
 Saturn -82027-06-03 11:16 J -28238785.28 -28238785.03 -28238784.78 0.0292 0.0093
 Jupiter -82025-02-25 06:56 J -28238153.42 -28238153.21 -28238153.00 0.0514 0.0290
 Saturn -82013-05-30 23:01 J -28233674.70 -28233674.54 -28233674.35 0.0267 0.0224

82ND MILLENNIUM BCE

This is a list of transits of Mars in the 82nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-81999-07-23 13:11 J		-28228508.02	-28228507.95	-28228507.86	0.0294	0.0278	
Saturn	-81997-07-20 11:59 J		-28227780.08	-28227780.00	-28227779.88	0.0291	0.0269	
Uranus	-81996-05-05 05:16 J		-28227491.58	-28227491.28	-28227490.94	0.0147	0.0051	
Uranus	-81994-04-13 20:37 J		-28226782.94	-28226782.64	-28226782.31	0.0147	0.0059	
Neptune	-81991-11-05 00:56 J		-28225481.76	-28225481.46	-28225481.12	0.0089	0.0028	
Neptune	-81989-10-01 05:44 J		-28224785.46	-28224785.26	-28224785.02	0.0089	0.0067	
Saturn	-81983-07-22 15:06 J		-28222665.19	-28222664.87	-28222664.54	0.0267	0.0037	
Saturn	-81969-09-09 05:59 J		-28217502.50	-28217502.25	-28217501.99	0.0293	0.0088	
Jupiter	-81961-12-06 17:30 J		-28214492.06	-28214491.77	-28214491.48	0.0515	0.0108	
Uranus	-81958-12-02 06:56 J		-28213401.36	-28213401.21	-28213401.01	0.0132	0.0105	
Uranus	-81956-10-30 20:52 J		-28212702.89	-28212702.63	-28212702.36	0.0132	0.0042	
Uranus	-81954-09-29 05:44 J		-28212004.54	-28212004.26	-28212003.98	0.0132	0.0019	
Saturn	-81953-09-11 10:18 J		-28211656.35	-28211656.07	-28211655.79	0.0268	0.0139	
Uranus	-81952-08-27 11:30 J		-28211306.24	-28211306.02	-28211305.79	0.0131	0.0079	
Saturn	-81939-10-27 08:08 J		-28206497.40	-28206497.16	-28206496.90	0.0292	0.0094	
Saturn	-81925-10-24 10:47 J		-28201386.24	-28201386.05	-28201385.84	0.0266	0.0207	
Uranus	-81913-01-23 04:18 J		-28197278.54	-28197278.32	-28197278.09	0.0146	0.0109	
Uranus	-81912-12-31 11:30 J		-28196570.36	-28196570.02	-28196569.67	0.0147	0.0004	
Saturn	-81911-12-16 15:35 J		-28196219.94	-28196219.85	-28196219.75	0.0294	0.0272	

Uranus -81910-12-10 05:01 J -28195861.50 -28195861.29 -28195861.02 0.0147 0.0106
 Neptune -81909-10-02 15:49 J -28195564.11 -28195563.84 -28195563.57 0.0088 0.0036
 Saturn -81909-12-13 15:35 J -28195491.92 -28195491.85 -28195491.76 0.0291 0.0276
 Jupiter -81907-08-17 12:28 J -28194880.23 -28194879.98 -28194879.72 0.0511 0.0101
 Neptune -81907-08-27 07:11 J -28194870.45 -28194870.20 -28194869.94 0.0088 0.0043
 Saturn -81895-12-15 00:42 J -28190377.79 -28190377.47 -28190377.14 0.0267 0.0035
 Saturn -81880-02-01 21:49 J -28185214.84 -28185214.59 -28185214.33 0.0293 0.0086
 Uranus -81873-07-26 09:20 J -28182483.34 -28182483.11 -28182482.87 0.0132 0.0076
 Uranus -81871-06-24 21:06 J -28181784.90 -28181784.62 -28181784.34 0.0132 0.0014
 Uranus -81869-05-23 05:30 J -28181086.54 -28181086.27 -28181086.01 0.0131 0.0046
 Uranus -81867-04-21 08:52 J -28180388.28 -28180388.13 -28180387.94 0.0131 0.0105
 Saturn -81864-02-04 23:16 J -28179367.79 -28179367.53 -28179367.26 0.0268 0.0158
 Saturn -81850-03-22 13:54 J -28174209.16 -28174208.92 -28174208.67 0.0292 0.0103
 Pluto -81845-03-14 10:32 J -28172390.28 -28172390.06 -28172389.81 0.0067 0.0049
 Jupiter -81842-05-26 10:04 J -28171222.23 -28171222.08 -28171221.93 0.0517 0.0441
 Saturn -81836-03-19 03:20 J -28169098.57 -28169098.36 -28169098.14 0.0266 0.0200
 Uranus -81829-09-19 04:18 J -28166357.62 -28166357.32 -28166357.01 0.0147 0.0064
 Neptune -81827-06-18 13:54 J -28165720.10 -28165719.92 -28165719.69 0.0089 0.0071
 Uranus -81827-08-28 15:20 J -28165649.18 -28165648.86 -28165648.53 0.0147 0.0042
 Neptune -81825-05-14 17:30 J -28165024.08 -28165023.77 -28165023.43 0.0089 0.0024
 Saturn -81822-05-11 06:56 J -28163932.30 -28163932.21 -28163932.09 0.0294 0.0269
 Saturn -81820-05-08 11:16 J -28163204.09 -28163204.03 -28163203.95 0.0291 0.0281
 Jupiter -81806-03-02 18:56 J -28158157.92 -28158157.71 -28158157.50 0.0515 0.0358
 Saturn -81806-05-10 19:40 J -28158089.00 -28158088.68 -28158088.35 0.0267 0.0012
 Saturn -81792-06-28 09:49 J -28152926.34 -28152926.09 -28152925.82 0.0294 0.0076
 Uranus -81790-04-21 16:18 J -28152263.96 -28152263.82 -28152263.65 0.0133 0.0110
 Jupiter -81788-02-06 13:11 J -28151606.99 -28151606.95 -28151606.89 0.0509 0.0499
 Uranus -81788-03-20 08:08 J -28151565.41 -28151565.16 -28151564.89 0.0132 0.0048
 Uranus -81786-02-16 19:40 J -28150866.96 -28150866.68 -28150866.40 0.0132 0.0012
 Uranus -81784-01-15 01:40 J -28150168.65 -28150168.43 -28150168.19 0.0131 0.0072

Uranus -81783-12-14 04:47 J -28149470.34 -28149470.30 -28149470.23 0.0131 0.0129
 Saturn -81776-06-30 22:04 J -28147079.82 -28147079.58 -28147079.31 0.0268 0.0167
 Saturn -81762-08-15 12:28 J -28141921.22 -28141920.98 -28141920.73 0.0293 0.0110
 Jupiter -81753-11-11 03:49 J -28138545.58 -28138545.34 -28138545.09 0.0512 0.0150
 Saturn -81748-08-13 04:32 J -28136809.54 -28136809.31 -28136809.05 0.0266 0.0176
 Uranus -81746-06-08 20:52 J -28136144.81 -28136144.63 -28136144.44 0.0146 0.0122
 Neptune -81745-05-18 04:04 J -28135800.48 -28135800.33 -28135800.13 0.0088 0.0071
 Uranus -81744-05-16 22:04 J -28135436.90 -28135436.58 -28135436.23 0.0147 0.0020
 Neptune -81743-04-11 20:52 J -28135106.92 -28135106.63 -28135106.34 0.0088 0.0009
 Uranus -81742-04-25 12:28 J -28134728.24 -28134727.98 -28134727.69 0.0147 0.0087
 Neptune -81741-03-05 10:47 J -28134413.09 -28134413.05 -28134412.97 0.0088 0.0086
 Saturn -81734-10-05 03:35 J -28131643.47 -28131643.35 -28131643.21 0.0294 0.0254
 Saturn -81718-10-04 06:56 J -28125800.54 -28125800.21 -28125799.88 0.0267 0.0003
 Uranus -81706-12-14 16:47 J -28121346.01 -28121345.80 -28121345.56 0.0132 0.0081
 Uranus -81704-11-12 08:23 J -28120647.42 -28120647.15 -28120646.86 0.0132 0.0021
 Saturn -81704-11-21 13:11 J -28120638.21 -28120637.95 -28120637.69 0.0293 0.0064
 Uranus -81702-10-11 17:44 J -28119949.02 -28119948.76 -28119948.49 0.0132 0.0039
 Uranus -81700-09-08 21:35 J -28119250.77 -28119250.60 -28119250.39 0.0131 0.0097
 Jupiter -81688-08-19 02:08 J -28114888.67 -28114888.41 -28114888.13 0.0516 0.0216
 Saturn -81688-11-25 08:52 J -28114790.35 -28114790.13 -28114789.91 0.0268 0.0197
 Saturn -81673-01-09 16:47 J -28109632.04 -28109631.80 -28109631.56 0.0293 0.0130
 Neptune -81662-12-27 07:11 J -28105262.52 -28105262.20 -28105261.85 0.0089 0.0019
 Uranus -81661-02-03 08:23 J -28105224.42 -28105224.15 -28105223.86 0.0146 0.0080
 Neptune -81660-11-22 10:47 J -28104566.18 -28104566.05 -28104565.84 0.0089 0.0078
 Saturn -81659-01-07 03:06 J -28104520.64 -28104520.37 -28104520.11 0.0266 0.0156
 Uranus -81659-01-11 14:08 J -28104516.24 -28104515.91 -28104515.57 0.0147 0.0024
 Uranus -81658-12-21 06:42 J -28103807.36 -28103807.22 -28103807.03 0.0147 0.0129
 Saturn -81645-02-28 14:08 J -28099355.05 -28099354.91 -28099354.74 0.0294 0.0238
 Jupiter -81634-05-03 17:16 J -28095272.98 -28095272.78 -28095272.55 0.0510 0.0282
 Saturn -81629-02-28 21:20 J -28093510.93 -28093510.61 -28093510.28 0.0267 0.0033

Uranus	-81623-09-08 20:52 J	-28091126.75	-28091126.63	-28091126.47	0.0133	0.0115
Uranus	-81621-08-07 16:04 J	-28090428.07	-28090427.83	-28090427.55	0.0132	0.0055
Uranus	-81619-07-07 05:16 J	-28089729.56	-28089729.28	-28089729.00	0.0132	0.0006
Uranus	-81617-06-04 11:59 J	-28089031.24	-28089031.00	-28089030.75	0.0131	0.0064
Saturn	-81615-04-18 02:52 J	-28088348.64	-28088348.38	-28088348.11	0.0294	0.0041
Uranus	-81615-05-03 17:01 J	-28088332.90	-28088332.79	-28088332.68	0.0131	0.0120
Saturn	-81599-04-21 15:20 J	-28082501.03	-28082500.86	-28082500.66	0.0268	0.0220
Pluto	-81599-08-04 23:16 J	-28082395.83	-28082395.53	-28082395.17	0.0067	0.0020
Jupiter	-81598-02-04 16:47 J	-28082212.00	-28082211.80	-28082211.60	0.0512	0.0325
Saturn	-81585-06-04 11:30 J	-28077343.24	-28077343.02	-28077342.78	0.0292	0.0150
Neptune	-81580-11-25 11:30 J	-28075343.30	-28075343.02	-28075342.73	0.0088	0.0025
Uranus	-81579-10-23 00:42 J	-28075011.56	-28075011.47	-28075011.32	0.0146	0.0136
Neptune	-81578-10-20 03:35 J	-28074649.56	-28074649.35	-28074649.09	0.0088	0.0054
Uranus	-81577-09-29 19:40 J	-28074303.99	-28074303.68	-28074303.34	0.0147	0.0038
Uranus	-81575-09-08 04:32 J	-28073595.59	-28073595.31	-28073594.98	0.0147	0.0066
Saturn	-81571-06-03 17:30 J	-28072231.04	-28072230.77	-28072230.47	0.0267	0.0129
Saturn	-81557-07-25 12:56 J	-28067065.14	-28067064.96	-28067064.77	0.0294	0.0212
Saturn	-81541-07-25 11:01 J	-28061221.35	-28061221.04	-28061220.71	0.0267	0.0058
Uranus	-81538-05-03 20:37 J	-28060208.83	-28060208.64	-28060208.40	0.0133	0.0088
Uranus	-81536-04-01 14:37 J	-28059510.16	-28059509.89	-28059509.61	0.0132	0.0027
Uranus	-81534-03-01 00:42 J	-28058811.73	-28058811.47	-28058811.18	0.0132	0.0032
Jupiter	-81534-11-12 21:20 J	-28058554.91	-28058554.61	-28058554.32	0.0516	0.0026
Uranus	-81532-01-27 07:40 J	-28058113.37	-28058113.18	-28058112.96	0.0132	0.0089
Saturn	-81527-09-12 05:30 J	-28056059.54	-28056059.27	-28056059.01	0.0293	0.0016
Saturn	-81511-09-16 10:04 J	-28050211.18	-28050211.08	-28050210.95	0.0268	0.0251
Neptune	-81498-08-10 00:56 J	-28045500.68	-28045500.46	-28045500.18	0.0089	0.0059
Saturn	-81497-10-30 13:25 J	-28045053.14	-28045052.94	-28045052.72	0.0292	0.0177
Neptune	-81496-07-06 02:37 J	-28044804.68	-28044804.39	-28044804.06	0.0089	0.0035
Uranus	-81494-06-19 15:06 J	-28044091.12	-28044090.87	-28044090.60	0.0146	0.0094
Uranus	-81492-05-27 13:54 J	-28043383.26	-28043382.92	-28043382.58	0.0147	0.0006

Uranus	-81490-05-06 00:28 J	-28042674.69	-28042674.48	-28042674.22	0.0147	0.0108
Saturn	-81483-10-29 10:32 J	-28039941.35	-28039941.06	-28039940.75	0.0267	0.0104
Jupiter	-81480-07-26 21:35 J	-28038939.84	-28038939.60	-28038939.34	0.0510	0.0128
Saturn	-81469-12-19 20:37 J	-28034775.85	-28034775.64	-28034775.43	0.0293	0.0186
Uranus	-81455-01-26 20:08 J	-28029989.76	-28029989.66	-28029989.52	0.0133	0.0121
Uranus	-81454-12-26 19:11 J	-28029290.94	-28029290.70	-28029290.43	0.0133	0.0061
Saturn	-81453-12-19 23:16 J	-28028931.83	-28028931.53	-28028931.21	0.0268	0.0083
Uranus	-81452-11-24 10:18 J	-28028592.35	-28028592.07	-28028591.79	0.0132	0.0001
Uranus	-81450-10-23 20:23 J	-28027893.89	-28027893.65	-28027893.38	0.0132	0.0057
Uranus	-81448-09-21 02:37 J	-28027195.51	-28027195.39	-28027195.22	0.0132	0.0113
Jupiter	-81444-04-30 04:04 J	-28025878.38	-28025878.33	-28025878.28	0.0512	0.0502
Saturn	-81438-02-07 07:25 J	-28023769.46	-28023769.19	-28023768.92	0.0293	0.0010
Saturn	-81424-02-01 14:23 J	-28018660.93	-28018660.90	-28018660.83	0.0266	0.0263
Neptune	-81416-07-11 00:42 J	-28015579.68	-28015579.47	-28015579.24	0.0088	0.0059
Neptune	-81414-06-04 18:28 J	-28014886.00	-28014885.73	-28014885.43	0.0088	0.0021
Uranus	-81411-03-08 21:20 J	-28013877.61	-28013877.61	-28013877.57	0.0146	0.0146
Uranus	-81409-02-14 08:37 J	-28013170.44	-28013170.14	-28013169.81	0.0146	0.0051
Saturn	-81408-03-26 19:11 J	-28012763.88	-28012763.70	-28012763.50	0.0292	0.0202
Uranus	-81407-01-22 10:47 J	-28012462.35	-28012462.05	-28012461.71	0.0147	0.0049
Saturn	-81394-03-25 14:23 J	-28007652.20	-28007651.90	-28007651.58	0.0267	0.0086
Saturn	-81380-05-16 20:08 J	-28002485.88	-28002485.66	-28002485.43	0.0294	0.0162
Jupiter	-81379-02-04 18:13 J	-28002222.00	-28002221.74	-28002221.47	0.0516	0.0214
Uranus	-81371-09-20 23:01 J	-27999071.73	-27999071.54	-27999071.32	0.0133	0.0093
Uranus	-81369-08-19 18:13 J	-27998373.00	-27998372.74	-27998372.45	0.0132	0.0034
Uranus	-81367-07-19 07:40 J	-27997674.45	-27997674.18	-27997673.90	0.0132	0.0025
Uranus	-81365-06-16 17:01 J	-27996976.01	-27996975.79	-27996975.57	0.0132	0.0081
Saturn	-81364-05-16 11:59 J	-27996642.29	-27996642.00	-27996641.69	0.0267	0.0106
Pluto	-81353-12-25 10:47 J	-27992401.38	-27992401.05	-27992400.69	0.0067	0.0007
Saturn	-81350-07-04 13:40 J	-27991480.19	-27991479.93	-27991479.67	0.0293	0.0034
Saturn	-81336-06-28 09:49 J	-27986372.19	-27986372.09	-27986371.97	0.0267	0.0250

Neptune -81332-02-16 21:49 J -27985042.92 -27985042.59 -27985042.25 0.0089 0.0006
 Neptune -81330-01-13 23:59 J -27984346.50 -27984346.50 -27984346.47 0.0089 0.0089
 Uranus -81327-11-03 12:56 J -27982957.18 -27982956.96 -27982956.71 0.0146 0.0104
 Jupiter -81326-10-20 11:59 J -27982606.25 -27982606.00 -27982605.74 0.0510 0.0062
 Uranus -81325-10-11 04:47 J -27982249.63 -27982249.30 -27982248.95 0.0147 0.0009
 Uranus -81323-09-19 10:47 J -27981541.30 -27981541.05 -27981540.77 0.0147 0.0092
 Saturn -81320-08-21 12:42 J -27980474.14 -27980473.97 -27980473.80 0.0292 0.0223
 Saturn -81306-08-19 23:01 J -27975362.85 -27975362.54 -27975362.22 0.0266 0.0064
 Saturn -81292-10-10 22:32 J -27970196.79 -27970196.56 -27970196.32 0.0294 0.0141
 Uranus -81288-06-15 20:08 J -27968852.72 -27968852.66 -27968852.54 0.0133 0.0127
 Uranus -81286-05-15 21:20 J -27968153.85 -27968153.61 -27968153.35 0.0133 0.0066
 Uranus -81284-04-13 15:06 J -27967455.15 -27967454.87 -27967454.59 0.0132 0.0007
 Uranus -81282-03-13 03:20 J -27966756.60 -27966756.36 -27966756.08 0.0132 0.0050
 Uranus -81280-02-08 10:18 J -27966058.21 -27966058.07 -27966057.88 0.0132 0.0106
 Saturn -81276-10-09 21:20 J -27964353.89 -27964353.61 -27964353.30 0.0267 0.0115
 Saturn -81262-11-28 21:49 J -27959190.85 -27959190.59 -27959190.33 0.0293 0.0051
 Jupiter -81261-07-23 23:30 J -27958952.72 -27958952.52 -27958952.31 0.0519 0.0366
 Neptune -81250-01-18 09:35 J -27955122.39 -27955122.10 -27955121.81 0.0088 0.0013
 Neptune -81249-12-12 02:08 J -27954428.59 -27954428.41 -27954428.20 0.0088 0.0066
 Saturn -81248-11-22 12:56 J -27954083.11 -27954082.96 -27954082.79 0.0266 0.0229
 Uranus -81242-07-01 00:56 J -27952036.75 -27952036.46 -27952036.15 0.0146 0.0064
 Uranus -81240-06-07 21:20 J -27951328.93 -27951328.61 -27951328.28 0.0147 0.0034
 Uranus -81238-05-17 08:08 J -27950620.29 -27950620.16 -27950620.01 0.0147 0.0134
 Saturn -81231-01-15 07:25 J -27948185.34 -27948185.19 -27948185.04 0.0292 0.0239
 Jupiter -81225-04-30 22:32 J -27945887.65 -27945887.56 -27945887.44 0.0516 0.0480
 Saturn -81217-01-12 23:59 J -27943074.81 -27943074.50 -27943074.18 0.0267 0.0058
 Jupiter -81207-04-11 02:52 J -27939333.57 -27939333.38 -27939333.20 0.0508 0.0354
 Uranus -81203-02-07 21:49 J -27937934.78 -27937934.59 -27937934.40 0.0133 0.0099
 Saturn -81203-03-06 17:30 J -27937908.00 -27937907.77 -27937907.52 0.0294 0.0131
 Uranus -81201-01-07 19:54 J -27937235.93 -27937235.67 -27937235.39 0.0133 0.0040

Uranus	-81200-12-06 12:56 J	-27936537.23	-27936536.96	-27936536.67	0.0132	0.0018
Uranus	-81198-11-04 23:30 J	-27935838.73	-27935838.52	-27935838.27	0.0132	0.0075
Uranus	-81196-10-03 05:01 J	-27935140.32	-27935140.29	-27935140.21	0.0131	0.0129
Saturn	-81187-03-05 16:18 J	-27932065.10	-27932064.82	-27932064.53	0.0267	0.0132
Saturn	-81173-04-23 10:04 J	-27926902.33	-27926902.08	-27926901.81	0.0293	0.0064
Jupiter	-81171-01-13 11:16 J	-27926272.25	-27926272.03	-27926271.81	0.0510	0.0267
Neptune	-81169-09-30 17:30 J	-27925281.04	-27925280.77	-27925280.46	0.0089	0.0045
Neptune	-81167-08-27 18:28 J	-27924585.01	-27924584.73	-27924584.44	0.0089	0.0049
Uranus	-81159-03-20 00:13 J	-27921823.69	-27921823.49	-27921823.29	0.0146	0.0116
Saturn	-81159-04-17 08:23 J	-27921795.31	-27921795.15	-27921794.97	0.0266	0.0224
Uranus	-81157-02-25 08:52 J	-27921116.46	-27921116.13	-27921115.79	0.0146	0.0023
Uranus	-81155-02-02 10:47 J	-27920408.34	-27920408.05	-27920407.76	0.0147	0.0075
Saturn	-81143-06-10 19:11 J	-27915896.83	-27915896.70	-27915896.56	0.0293	0.0247
Saturn	-81129-06-07 16:04 J	-27910786.16	-27910785.83	-27910785.51	0.0266	0.0040
Uranus	-81121-11-02 15:49 J	-27907715.87	-27907715.84	-27907715.77	0.0134	0.0132
Uranus	-81119-10-02 20:37 J	-27907016.87	-27907016.64	-27907016.39	0.0133	0.0072
Uranus	-81117-08-31 17:59 J	-27906318.03	-27906317.75	-27906317.46	0.0132	0.0014
Saturn	-81115-07-30 23:59 J	-27905619.73	-27905619.50	-27905619.25	0.0294	0.0122
Uranus	-81115-07-31 07:54 J	-27905619.43	-27905619.17	-27905618.90	0.0132	0.0043 *
Uranus	-81113-06-28 16:18 J	-27904921.01	-27904920.82	-27904920.63	0.0132	0.0098
Jupiter	-81107-10-18 16:47 J	-27902618.08	-27902617.80	-27902617.51	0.0518	0.0067
Pluto	-81106-05-17 18:42 J	-27902407.02	-27902406.72	-27902406.39	0.0067	0.0027
Saturn	-81099-07-29 04:04 J	-27899777.61	-27899777.33	-27899777.05	0.0267	0.0133
Neptune	-81087-09-03 00:56 J	-27895358.70	-27895358.46	-27895358.20	0.0088	0.0046
Neptune	-81085-07-27 18:56 J	-27894664.97	-27894664.71	-27894664.43	0.0088	0.0034
Saturn	-81085-09-16 11:44 J	-27894614.27	-27894614.01	-27894613.75	0.0294	0.0069
Uranus	-81075-11-14 01:11 J	-27890903.72	-27890903.45	-27890903.15	0.0146	0.0078
Uranus	-81073-10-21 15:35 J	-27890196.17	-27890195.85	-27890195.50	0.0146	0.0018
Saturn	-81071-09-10 22:32 J	-27889506.76	-27889506.56	-27889506.35	0.0265	0.0205
Uranus	-81071-09-29 21:49 J	-27889487.79	-27889487.59	-27889487.37	0.0147	0.0115

Saturn	-81055-11-03 22:47 J	-27883608.67	-27883608.55	-27883608.42	0.0293	0.0255
Jupiter	-81053-07-05 11:59 J	-27882999.25	-27882999.00	-27882998.74	0.0508	0.0122
Saturn	-81041-10-31 02:52 J	-27878498.70	-27878498.38	-27878498.06	0.0266	0.0037
Uranus	-81036-06-27 16:47 J	-27876797.96	-27876797.80	-27876797.60	0.0133	0.0105
Uranus	-81034-05-27 19:54 J	-27876098.93	-27876098.67	-27876098.39	0.0133	0.0046
Uranus	-81032-04-25 14:52 J	-27875400.15	-27875399.88	-27875399.59	0.0132	0.0012
Uranus	-81030-03-25 02:37 J	-27874701.62	-27874701.39	-27874701.14	0.0132	0.0068
Uranus	-81028-02-20 10:04 J	-27874003.16	-27874003.08	-27874002.95	0.0131	0.0122
Saturn	-81027-12-23 16:04 J	-27873332.07	-27873331.83	-27873331.58	0.0295	0.0119
Saturn	-81011-12-22 14:23 J	-27867489.15	-27867488.90	-27867488.61	0.0266	0.0152
Neptune	-81005-05-14 18:28 J	-27865518.84	-27865518.73	-27865518.61	0.0089	0.0084
Neptune	-81003-04-10 15:35 J	-27864823.17	-27864822.85	-27864822.51	0.0089	0.0009

81ST MILLENNIUM BCE

This is a list of transits of Mars in the 81st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-80996-02-09 12:56 J	-27862326.22	-27862325.96	-27862325.70	0.0294	0.0075		
Uranus	-80992-08-03 04:04 J	-27860690.46	-27860690.33	-27860690.15	0.0145	0.0129		
Uranus	-80990-07-11 05:44 J	-27859983.57	-27859983.26	-27859982.93	0.0146	0.0039		
Uranus	-80988-06-18 00:56 J	-27859275.75	-27859275.46	-27859275.13	0.0147	0.0058		
Saturn	-80982-02-03 11:16 J	-27857219.23	-27857219.03	-27857218.81	0.0265	0.0200		
Saturn	-80966-03-29 14:37 J	-27851321.00	-27851320.89	-27851320.76	0.0294	0.0259		
Jupiter	-80952-01-11 20:37 J	-27846283.90	-27846283.64	-27846283.36	0.0518	0.0190		

Saturn -80952-03-26 15:06 J -27846210.19 -27846209.87 -27846209.54 0.0265 0.0017
 Uranus -80951-02-19 16:04 J -27845880.04 -27845879.83 -27845879.58 0.0133 0.0078
 Uranus -80949-01-19 17:01 J -27845181.07 -27845180.79 -27845180.51 0.0133 0.0020
 Uranus -80948-12-18 09:20 J -27844482.37 -27844482.11 -27844481.83 0.0132 0.0037
 Uranus -80946-11-16 20:37 J -27843783.82 -27843783.64 -27843783.41 0.0132 0.0092
 Saturn -80938-05-18 19:40 J -27841043.93 -27841043.68 -27841043.43 0.0295 0.0112
 Jupiter -80935-12-26 12:28 J -27839725.98 -27839725.98 -27839725.95 0.0506 0.0506
 Neptune -80923-04-18 12:42 J -27835595.08 -27835594.97 -27835594.82 0.0088 0.0079
 Saturn -80922-05-17 04:18 J -27835201.57 -27835201.32 -27835201.05 0.0266 0.0157
 Neptune -80921-03-12 09:49 J -27834901.39 -27834901.09 -27834900.80 0.0088 0.0001
 Neptune -80919-02-04 03:06 J -27834207.47 -27834207.37 -27834207.21 0.0088 0.0080
 Saturn -80908-07-05 02:52 J -27830038.63 -27830038.38 -27830038.11 0.0294 0.0080
 Uranus -80907-03-30 10:47 J -27829770.30 -27829770.05 -27829769.78 0.0145 0.0090
 Uranus -80905-03-06 18:13 J -27829063.07 -27829062.74 -27829062.40 0.0146 0.0003
 Uranus -80903-02-12 17:44 J -27828355.01 -27828354.76 -27828354.51 0.0147 0.0098
 Jupiter -80899-09-30 08:23 J -27826664.40 -27826664.15 -27826663.90 0.0509 0.0142
 Saturn -80894-06-30 02:23 J -27824930.63 -27824930.40 -27824930.16 0.0265 0.0179
 Saturn -80878-08-22 23:01 J -27819032.63 -27819032.54 -27819032.42 0.0294 0.0269
 Uranus -80869-11-14 10:04 J -27815661.24 -27815661.08 -27815660.91 0.0134 0.0110
 Uranus -80867-10-14 17:30 J -27814962.03 -27814961.77 -27814961.50 0.0133 0.0051
 Uranus -80865-09-12 15:20 J -27814263.15 -27814262.86 -27814262.58 0.0132 0.0006
 Saturn -80864-08-19 13:11 J -27813922.28 -27813921.95 -27813921.63 0.0265 0.0007
 Uranus -80863-08-12 05:44 J -27813564.49 -27813564.26 -27813563.99 0.0132 0.0062
 Uranus -80861-07-10 16:32 J -27812865.93 -27812865.81 -27812865.66 0.0132 0.0115
 Pluto -80860-10-06 19:25 J -27812412.95 -27812412.69 -27812412.36 0.0067 0.0036
 Saturn -80850-10-11 12:13 J -27808756.24 -27808755.99 -27808755.74 0.0295 0.0106
 Neptune -80840-11-22 14:37 J -27805061.18 -27805060.89 -27805060.55 0.0089 0.0030
 Neptune -80838-10-19 12:56 J -27804365.17 -27804364.96 -27804364.70 0.0089 0.0063
 Jupiter -80834-07-01 17:44 J -27803013.97 -27803013.76 -27803013.55 0.0520 0.0355
 Saturn -80834-10-11 01:40 J -27802912.67 -27802912.43 -27802912.19 0.0266 0.0182

Uranus	-80825-12-18 05:01 J	-27799556.38	-27799556.29	-27799556.16	0.0145	0.0136
Uranus	-80823-11-24 23:30 J	-27798849.83	-27798849.52	-27798849.20	0.0146	0.0049
Uranus	-80821-11-01 11:30 J	-27798142.33	-27798142.02	-27798141.68	0.0146	0.0044
Saturn	-80820-11-28 18:42 J	-27797749.97	-27797749.72	-27797749.47	0.0295	0.0092
Uranus	-80819-10-10 14:23 J	-27797433.97	-27797433.90	-27797433.77	0.0147	0.0140
Saturn	-80806-11-23 09:35 J	-27792642.34	-27792642.10	-27792641.84	0.0265	0.0165
Jupiter	-80798-04-08 14:52 J	-27789948.96	-27789948.88	-27789948.78	0.0518	0.0490
Saturn	-80791-01-16 20:08 J	-27787473.70	-27787473.66	-27787473.60	0.0295	0.0289
Saturn	-80789-01-15 23:01 J	-27786744.62	-27786744.54	-27786744.46	0.0294	0.0279
Uranus	-80784-07-09 12:56 J	-27784743.16	-27784742.96	-27784742.71	0.0133	0.0084
Uranus	-80782-06-08 16:32 J	-27784044.08	-27784043.81	-27784043.52	0.0133	0.0025
Jupiter	-80780-03-22 00:13 J	-27783391.71	-27783391.49	-27783391.27	0.0507	0.0265
Uranus	-80780-05-07 12:13 J	-27783345.26	-27783344.99	-27783344.71	0.0132	0.0032
Uranus	-80778-04-06 02:08 J	-27782646.60	-27782646.41	-27782646.17	0.0132	0.0086
Saturn	-80775-01-13 14:23 J	-27781633.22	-27781632.90	-27781632.57	0.0266	0.0019
Pluto	-80774-04-09 11:44 J	-27781182.16	-27781182.01	-27781181.82	0.0078	0.0063
Saturn	-80761-03-06 12:56 J	-27776467.22	-27776466.96	-27776466.70	0.0295	0.0088
Neptune	-80758-10-26 23:30 J	-27775137.80	-27775137.52	-27775137.24	0.0088	0.0032
Neptune	-80756-09-19 19:11 J	-27774443.93	-27774443.70	-27774443.43	0.0088	0.0048
Saturn	-80745-03-05 17:16 J	-27770623.97	-27770623.78	-27770623.55	0.0266	0.0200
Jupiter	-80745-12-24 04:18 J	-27770330.51	-27770330.32	-27770330.13	0.0509	0.0341
Uranus	-80740-08-14 13:40 J	-27768636.16	-27768635.93	-27768635.67	0.0145	0.0098
Uranus	-80738-07-22 14:08 J	-27767929.24	-27767928.91	-27767928.57	0.0146	0.0009
Uranus	-80736-06-29 06:42 J	-27767221.47	-27767221.22	-27767220.92	0.0147	0.0086
Saturn	-80731-04-24 01:40 J	-27765461.67	-27765461.43	-27765461.17	0.0294	0.0108
Saturn	-80717-04-18 14:23 J	-27760353.16	-27760352.90	-27760352.62	0.0265	0.0142
Saturn	-80703-06-13 07:40 J	-27755184.28	-27755184.18	-27755184.06	0.0295	0.0269
Uranus	-80701-04-03 05:30 J	-27754524.40	-27754524.27	-27754524.10	0.0134	0.0115
Uranus	-80699-03-03 15:35 J	-27753825.10	-27753824.85	-27753824.58	0.0133	0.0056
Uranus	-80697-01-31 16:32 J	-27753126.09	-27753125.81	-27753125.52	0.0133	0.0002

Uranus -80696-12-30 11:01 J -27752427.29 -27752427.04 -27752426.78 0.0132 0.0056
 Uranus -80694-11-28 23:30 J -27751728.67 -27751728.52 -27751728.36 0.0132 0.0109
 Saturn -80687-06-09 16:47 J -27749344.12 -27749343.80 -27749343.48 0.0266 0.0040
 Jupiter -80680-09-24 20:37 J -27746679.93 -27746679.64 -27746679.36 0.0520 0.0095
 Neptune -80676-07-06 14:52 J -27745299.05 -27745298.88 -27745298.63 0.0089 0.0069
 Neptune -80674-06-02 12:28 J -27744603.30 -27744602.98 -27744602.65 0.0089 0.0024
 Saturn -80673-07-31 06:42 J -27744178.48 -27744178.22 -27744177.95 0.0295 0.0068
 Uranus -80657-05-04 08:52 J -27738422.17 -27738422.13 -27738422.08 0.0145 0.0143
 Saturn -80657-07-31 06:42 J -27738334.37 -27738334.22 -27738334.04 0.0266 0.0229
 Uranus -80655-04-10 19:25 J -27737715.97 -27737715.69 -27737715.37 0.0146 0.0059
 Uranus -80653-03-18 01:11 J -27737008.77 -27737008.45 -27737008.12 0.0146 0.0031
 Uranus -80651-02-23 23:30 J -27736300.68 -27736300.52 -27736300.33 0.0147 0.0125
 Saturn -80643-09-18 21:06 J -27733171.86 -27733171.62 -27733171.39 0.0295 0.0132
 Saturn -80629-09-13 01:54 J -27728063.70 -27728063.42 -27728063.12 0.0265 0.0118
 Jupiter -80626-06-15 08:52 J -27727058.39 -27727058.13 -27727057.87 0.0507 0.0095
 Uranus -80617-11-26 09:20 J -27723606.31 -27723606.11 -27723605.87 0.0134 0.0088
 Uranus -80615-10-26 16:47 J -27722907.07 -27722906.80 -27722906.51 0.0133 0.0030
 Saturn -80615-11-07 10:47 J -27722895.20 -27722895.05 -27722894.90 0.0295 0.0244
 Pluto -80613-02-26 17:30 J -27722419.05 -27722418.77 -27722418.45 0.0067 0.0033
 Uranus -80613-09-24 16:32 J -27722208.09 -27722207.81 -27722207.53 0.0132 0.0026
 Uranus -80611-08-24 08:23 J -27721509.36 -27721509.15 -27721508.92 0.0132 0.0080
 Uranus -80609-07-22 17:30 J -27720810.79 -27720810.77 -27720810.75 0.0132 0.0131
 Saturn -80599-11-04 06:13 J -27717054.56 -27717054.24 -27717053.92 0.0266 0.0065
 Neptune -80594-06-11 11:44 J -27715374.18 -27715374.01 -27715373.77 0.0088 0.0066
 Neptune -80592-05-05 08:52 J -27714680.42 -27714680.13 -27714679.84 0.0088 0.0015
 Saturn -80585-12-26 07:54 J -27711888.44 -27711888.17 -27711887.91 0.0295 0.0041
 Uranus -80573-12-29 06:56 J -27707502.41 -27707502.21 -27707501.97 0.0145 0.0107
 Uranus -80571-12-05 23:30 J -27706795.85 -27706795.52 -27706795.19 0.0146 0.0021
 Uranus -80569-11-12 10:04 J -27706088.36 -27706088.08 -27706087.77 0.0146 0.0071
 Saturn -80569-12-26 00:13 J -27706044.57 -27706044.49 -27706044.38 0.0266 0.0255

Saturn -80554-02-13 02:52 J -27700882.59 -27700882.38 -27700882.15 0.0294 0.0158
 Saturn -80540-02-07 13:11 J -27695774.24 -27695773.95 -27695773.64 0.0266 0.0097
 Uranus -80534-08-21 23:16 J -27693387.63 -27693387.53 -27693387.37 0.0134 0.0119
 Uranus -80532-07-21 12:56 J -27692688.20 -27692687.96 -27692687.68 0.0133 0.0061
 Uranus -80530-06-20 18:13 J -27691989.03 -27691988.74 -27691988.46 0.0133 0.0003
 Uranus -80528-05-19 14:52 J -27691290.13 -27691289.88 -27691289.61 0.0132 0.0052
 Pluto -80528-08-30 00:42 J -27691187.53 -27691187.47 -27691187.33 0.0078 0.0073
 Saturn -80526-04-04 13:54 J -27690605.09 -27690604.92 -27690604.73 0.0295 0.0217
 Uranus -80526-04-18 03:20 J -27690591.51 -27690591.36 -27690591.16 0.0132 0.0104
 Jupiter -80526-12-18 16:47 J -27690347.08 -27690346.80 -27690346.51 0.0520 0.0087
 Neptune -80510-01-14 11:16 J -27684841.34 -27684841.03 -27684840.69 0.0089 0.0015
 Saturn -80510-04-01 01:40 J -27684764.73 -27684764.43 -27684764.12 0.0266 0.0092
 Neptune -80509-12-10 08:37 J -27684145.27 -27684145.14 -27684144.95 0.0089 0.0079
 Saturn -80496-05-22 18:42 J -27679598.99 -27679598.72 -27679598.46 0.0294 0.0014
 Uranus -80488-08-25 03:49 J -27676582.62 -27676582.34 -27676582.05 0.0145 0.0071
 Uranus -80486-08-02 01:54 J -27675875.75 -27675875.42 -27675875.09 0.0146 0.0017
 Uranus -80484-07-09 17:01 J -27675167.99 -27675167.79 -27675167.53 0.0147 0.0109
 Saturn -80482-05-15 01:54 J -27674493.49 -27674493.42 -27674493.31 0.0266 0.0254
 Jupiter -80472-09-07 19:54 J -27670724.93 -27670724.67 -27670724.41 0.0507 0.0084
 Saturn -80466-07-11 04:18 J -27668592.51 -27668592.32 -27668592.10 0.0294 0.0185
 Saturn -80452-07-05 07:25 J -27663484.50 -27663484.19 -27663483.87 0.0265 0.0070
 Uranus -80449-04-15 03:20 J -27662469.55 -27662469.36 -27662469.13 0.0134 0.0092
 Uranus -80447-03-15 15:20 J -27661770.13 -27661769.86 -27661769.57 0.0133 0.0034
 Uranus -80445-02-12 18:13 J -27661071.02 -27661070.74 -27661070.46 0.0132 0.0022
 Uranus -80443-01-11 11:16 J -27660372.25 -27660372.03 -27660371.78 0.0132 0.0075
 Uranus -80442-12-10 23:01 J -27659673.59 -27659673.54 -27659673.42 0.0132 0.0126
 Saturn -80438-08-30 00:42 J -27658315.67 -27658315.47 -27658315.26 0.0295 0.0191
 Neptune -80429-12-18 22:04 J -27654916.86 -27654916.58 -27654916.28 0.0088 0.0019
 Neptune -80427-11-12 17:59 J -27654222.95 -27654222.75 -27654222.52 0.0088 0.0061
 Saturn -80422-08-26 02:08 J -27652475.69 -27652475.41 -27652475.10 0.0266 0.0108

Saturn -80408-10-17 14:23 J -27647309.16 -27647308.90 -27647308.63 0.0295 0.0011
 Jupiter -80407-06-05 23:44 J -27647077.58 -27647077.51 -27647077.42 0.0522 0.0499
 Uranus -80405-05-14 21:35 J -27646368.76 -27646368.60 -27646368.38 0.0145 0.0117
 Uranus -80403-04-21 05:16 J -27645662.59 -27645662.28 -27645661.95 0.0146 0.0034
 Uranus -80401-03-28 08:08 J -27644955.45 -27644955.16 -27644954.83 0.0146 0.0056
 Uranus -80399-03-06 03:35 J -27644247.36 -27644247.35 -27644247.28 0.0147 0.0146
 Saturn -80394-10-09 15:49 J -27642203.99 -27642203.84 -27642203.67 0.0265 0.0228
 Saturn -80378-12-05 09:49 J -27636303.27 -27636303.09 -27636302.89 0.0294 0.0207
 Jupiter -80371-03-13 12:42 J -27634013.18 -27634012.97 -27634012.74 0.0519 0.0326
 Pluto -80367-07-18 04:18 J -27632425.67 -27632425.32 -27632424.97 0.0067 0.0010
 Uranus -80366-01-08 12:56 J -27632251.08 -27632250.96 -27632250.84 0.0134 0.0123
 Uranus -80365-12-08 07:54 J -27631551.41 -27631551.17 -27631550.90 0.0134 0.0065
 Saturn -80364-11-28 22:32 J -27631195.87 -27631195.56 -27631195.24 0.0266 0.0059
 Uranus -80363-11-07 17:59 J -27630852.03 -27630851.75 -27630851.46 0.0133 0.0008
 Uranus -80361-10-06 17:30 J -27630153.03 -27630152.77 -27630152.50 0.0132 0.0047
 Uranus -80359-09-05 09:20 J -27629454.29 -27629454.11 -27629453.92 0.0132 0.0098
 Jupiter -80353-02-27 23:59 J -27627452.69 -27627452.50 -27627452.31 0.0505 0.0347
 Saturn -80349-01-24 09:20 J -27626026.32 -27626026.11 -27626025.89 0.0295 0.0172
 Neptune -80347-08-28 11:59 J -27625079.25 -27625079.00 -27625078.73 0.0089 0.0054
 Neptune -80345-07-24 06:42 J -27624383.51 -27624383.22 -27624382.91 0.0089 0.0038
 Saturn -80333-01-20 07:40 J -27620186.45 -27620186.18 -27620185.88 0.0265 0.0130
 Uranus -80320-01-09 01:11 J -27615448.71 -27615448.45 -27615448.17 0.0145 0.0079
 Saturn -80319-03-13 12:13 J -27615020.25 -27615019.99 -27615019.72 0.0295 0.0029
 Uranus -80319-12-16 14:52 J -27614742.21 -27614741.88 -27614741.55 0.0146 0.0005
 Jupiter -80318-12-02 11:16 J -27614391.25 -27614391.03 -27614390.80 0.0507 0.0269
 Uranus -80317-11-22 22:18 J -27614034.81 -27614034.57 -27614034.30 0.0147 0.0094
 Saturn -80305-03-03 22:32 J -27609915.72 -27609915.56 -27609915.37 0.0265 0.0219
 Saturn -80289-04-30 09:20 J -27604014.28 -27604014.11 -27604013.93 0.0295 0.0222
 Uranus -80282-09-02 21:35 J -27601332.79 -27601332.60 -27601332.39 0.0134 0.0096
 Uranus -80280-08-02 14:23 J -27600633.18 -27600632.90 -27600632.62 0.0133 0.0038

Uranus -80278-07-02 19:25 J -27599933.97 -27599933.69 -27599933.40 0.0133 0.0018
 Uranus -80276-05-31 16:04 J -27599235.06 -27599234.83 -27599234.58 0.0132 0.0071
 Saturn -80275-04-24 21:35 J -27598906.92 -27598906.60 -27598906.28 0.0265 0.0037
 Uranus -80274-04-30 06:56 J -27598536.30 -27598536.21 -27598536.07 0.0132 0.0121
 Neptune -80265-08-03 07:40 J -27595153.39 -27595153.18 -27595152.91 0.0088 0.0053
 Neptune -80263-06-28 06:42 J -27594459.49 -27594459.22 -27594458.92 0.0088 0.0028
 Saturn -80261-06-19 00:28 J -27593737.70 -27593737.48 -27593737.24 0.0295 0.0158
 Jupiter -80253-08-30 08:52 J -27590743.38 -27590743.13 -27590742.87 0.0522 0.0227
 Saturn -80245-06-14 03:49 J -27587898.62 -27587898.34 -27587898.06 0.0266 0.0135
 Uranus -80238-09-30 10:32 J -27585234.23 -27585234.06 -27585233.88 0.0144 0.0122
 Uranus -80236-09-05 10:04 J -27584528.39 -27584528.08 -27584527.76 0.0145 0.0042
 Uranus -80234-08-13 05:16 J -27583821.58 -27583821.28 -27583820.95 0.0146 0.0044
 Uranus -80232-07-20 17:59 J -27583113.88 -27583113.75 -27583113.60 0.0147 0.0133
 Saturn -80231-08-06 23:16 J -27582731.79 -27582731.53 -27582731.26 0.0296 0.0040
 Saturn -80217-07-28 16:32 J -27577627.01 -27577626.81 -27577626.59 0.0264 0.0199
 Saturn -80201-09-23 18:28 J -27571725.88 -27571725.73 -27571725.56 0.0295 0.0233
 Jupiter -80199-05-24 04:47 J -27571118.56 -27571118.30 -27571118.05 0.0505 0.0128
 Uranus -80199-05-28 06:13 J -27571114.33 -27571114.24 -27571114.13 0.0135 0.0126
 Uranus -80197-04-27 06:42 J -27570414.46 -27570414.22 -27570413.95 0.0134 0.0068
 Uranus -80195-03-27 19:25 J -27569714.98 -27569714.69 -27569714.40 0.0133 0.0011
 Uranus -80193-02-24 21:35 J -27569015.86 -27569015.60 -27569015.32 0.0133 0.0043
 Uranus -80191-01-23 17:01 J -27568316.97 -27568316.79 -27568316.57 0.0132 0.0094
 Saturn -80187-09-17 12:28 J -27566619.30 -27566618.98 -27566618.65 0.0265 0.0033
 Neptune -80181-03-07 06:42 J -27564621.55 -27564621.22 -27564620.89 0.0089 0.0002
 Saturn -80173-11-11 23:30 J -27561449.74 -27561449.52 -27561449.28 0.0296 0.0152
 Saturn -80157-11-07 14:08 J -27555610.16 -27555609.91 -27555609.63 0.0265 0.0154
 Uranus -80153-05-26 14:08 J -27554314.14 -27554313.91 -27554313.62 0.0145 0.0086
 Uranus -80151-05-02 20:37 J -27553607.97 -27553607.64 -27553607.32 0.0146 0.0004
 Uranus -80149-04-08 20:37 J -27552900.89 -27552900.64 -27552900.35 0.0146 0.0084
 Saturn -80143-12-31 02:23 J -27550443.66 -27550443.40 -27550443.13 0.0296 0.0047

Saturn -80129-12-21 05:16 J -27545339.48 -27545339.28 -27545339.04 0.0264 0.0194
 Pluto -80121-12-06 10:32 J -27542432.36 -27542432.06 -27542431.71 0.0067 0.0024
 Uranus -80114-01-20 18:42 J -27540195.90 -27540195.72 -27540195.50 0.0134 0.0099
 Uranus -80113-12-20 14:52 J -27539496.14 -27539495.88 -27539495.59 0.0134 0.0041
 Saturn -80112-02-16 12:56 J -27539438.11 -27539437.96 -27539437.80 0.0295 0.0238
 Uranus -80111-11-19 23:44 J -27538796.79 -27538796.51 -27538796.22 0.0133 0.0014
 Uranus -80109-10-19 01:11 J -27538097.70 -27538097.45 -27538097.21 0.0132 0.0067
 Uranus -80107-09-17 17:30 J -27537398.88 -27537398.77 -27537398.62 0.0132 0.0117
 Neptune -80101-03-18 16:32 J -27535389.84 -27535389.81 -27535389.72 0.0088 0.0087
 Neptune -80099-02-10 16:04 J -27534696.12 -27534695.83 -27534695.53 0.0088 0.0006
 Jupiter -80099-11-24 12:28 J -27534409.27 -27534408.98 -27534408.70 0.0521 0.0023
 Saturn -80098-02-10 22:04 J -27534330.90 -27534330.58 -27534330.26 0.0264 0.0013
 Neptune -80097-01-05 13:25 J -27534002.08 -27534001.94 -27534001.75 0.0088 0.0073
 Saturn -80084-04-07 00:13 J -27529161.71 -27529161.49 -27529161.25 0.0296 0.0146
 Uranus -80070-02-14 23:30 J -27524099.64 -27524099.52 -27524099.34 0.0144 0.0127
 Uranus -80068-01-20 15:20 J -27523394.15 -27523393.86 -27523393.53 0.0145 0.0051
 Saturn -80068-04-02 00:13 J -27523322.73 -27523322.49 -27523322.21 0.0265 0.0158
 Uranus -80067-12-28 03:06 J -27522687.68 -27522687.37 -27522687.03 0.0146 0.0034
 Uranus -80065-12-04 10:18 J -27521980.23 -27521980.07 -27521979.86 0.0147 0.0122
 Saturn -80054-05-25 14:23 J -27518156.16 -27518155.90 -27518155.63 0.0296 0.0051
 Jupiter -80045-08-18 03:20 J -27514783.61 -27514783.36 -27514783.10 0.0506 0.0141
 Saturn -80040-05-16 15:49 J -27513051.06 -27513050.84 -27513050.58 0.0264 0.0174
 Uranus -80032-10-15 02:08 J -27509977.49 -27509977.41 -27509977.31 0.0135 0.0128
 Uranus -80030-09-15 06:42 J -27509277.45 -27509277.22 -27509276.95 0.0134 0.0070
 Uranus -80028-08-14 22:18 J -27508577.85 -27508577.57 -27508577.27 0.0133 0.0014
 Uranus -80026-07-15 04:47 J -27507878.57 -27507878.30 -27507878.02 0.0133 0.0040
 Uranus -80024-06-13 02:23 J -27507179.59 -27507179.40 -27507179.18 0.0132 0.0091
 Saturn -80024-07-12 15:20 J -27507150.00 -27507149.86 -27507149.71 0.0296 0.0245
 Neptune -80018-10-20 04:32 J -27504859.58 -27504859.31 -27504859.00 0.0089 0.0041
 Neptune -80016-09-14 22:18 J -27504163.82 -27504163.57 -27504163.28 0.0089 0.0050

Saturn -80010-07-06 14:08 J -27502043.24 -27502042.91 -27502042.59 0.0264 0.0006

80TH MILLENNIUM BCE

This is a list of transits of Mars in the 80th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-79996-08-30 10:18 J		-27496874.30	-27496874.07	-27496873.83	0.0296	0.0142	
Uranus	-79986-10-11 18:28 J		-27493179.97	-27493179.73	-27493179.47	0.0145	0.0093	
Uranus	-79984-09-16 15:35 J		-27492474.18	-27492473.85	-27492473.53	0.0145	0.0014	
Uranus	-79982-08-24 09:20 J		-27491767.39	-27491767.11	-27491766.81	0.0146	0.0072	
Jupiter	-79980-05-13 22:32 J		-27491138.63	-27491138.56	-27491138.46	0.0523	0.0497	
Saturn	-79980-08-26 14:37 J		-27491034.12	-27491033.89	-27491033.64	0.0264	0.0180	
Saturn	-79966-10-18 20:52 J		-27485867.89	-27485867.63	-27485867.37	0.0296	0.0058	
Saturn	-79952-10-09 16:04 J		-27480763.08	-27480762.83	-27480762.58	0.0264	0.0162	
Uranus	-79947-06-09 15:49 J		-27479059.03	-27479058.84	-27479058.63	0.0135	0.0100	
Uranus	-79945-05-09 15:06 J		-27478359.14	-27478358.87	-27478358.58	0.0134	0.0043	
Jupiter	-79944-02-18 14:08 J		-27478074.12	-27478073.91	-27478073.69	0.0521	0.0339	
Uranus	-79943-04-09 04:32 J		-27477659.60	-27477659.31	-27477659.02	0.0133	0.0012	
Uranus	-79941-03-08 07:54 J		-27476960.40	-27476960.17	-27476959.90	0.0132	0.0065	
Uranus	-79939-02-05 02:23 J		-27476261.52	-27476261.40	-27476261.24	0.0132	0.0114	
Neptune	-79936-09-26 00:42 J		-27474932.72	-27474932.47	-27474932.19	0.0088	0.0042	
Saturn	-79936-12-05 06:28 J		-27474862.35	-27474862.23	-27474862.08	0.0296	0.0252	
Neptune	-79934-08-20 23:16 J		-27474238.78	-27474238.53	-27474238.24	0.0088	0.0039	
Jupiter	-79926-02-07 21:20 J		-27471510.83	-27471510.61	-27471510.37	0.0505	0.0248	

Saturn -79922-11-30 08:23 J -27469754.47 -27469754.15 -27469753.83 0.0264 0.0017
 Saturn -79907-01-23 23:01 J -27464585.78 -27464585.54 -27464585.29 0.0296 0.0132
 Uranus -79903-07-02 05:01 J -27462965.40 -27462965.29 -27462965.16 0.0144 0.0133
 Uranus -79901-06-06 11:01 J -27462260.32 -27462260.04 -27462259.73 0.0145 0.0059
 Uranus -79899-05-13 14:23 J -27461554.22 -27461553.90 -27461553.57 0.0146 0.0023
 Uranus -79897-04-19 14:23 J -27460847.09 -27460846.90 -27460846.65 0.0146 0.0109
 Saturn -79891-01-19 21:06 J -27458745.83 -27458745.62 -27458745.38 0.0264 0.0194
 Jupiter -79891-11-12 08:08 J -27458449.34 -27458449.16 -27458448.97 0.0506 0.0364
 Saturn -79877-03-12 16:47 J -27453580.05 -27453579.80 -27453579.53 0.0296 0.0069
 Uranus -79864-03-03 17:30 J -27448840.83 -27448840.77 -27448840.67 0.0135 0.0131
 Saturn -79863-03-05 13:54 J -27448474.18 -27448473.92 -27448473.64 0.0264 0.0142
 Uranus -79862-02-02 02:08 J -27448140.64 -27448140.41 -27448140.14 0.0134 0.0073
 Uranus -79860-01-01 23:30 J -27447440.80 -27447440.52 -27447440.22 0.0134 0.0017
 Uranus -79859-12-02 10:18 J -27446741.34 -27446741.07 -27446740.78 0.0133 0.0038
 Uranus -79857-10-31 11:16 J -27446042.23 -27446042.03 -27446041.81 0.0132 0.0089
 Neptune -79854-06-03 05:01 J -27445097.38 -27445097.29 -27445097.11 0.0089 0.0081
 Neptune -79852-04-28 19:40 J -27444402.00 -27444401.68 -27444401.35 0.0089 0.0009
 Saturn -79847-05-01 04:04 J -27442573.44 -27442573.33 -27442573.21 0.0296 0.0266
 Saturn -79833-04-25 00:42 J -27437465.78 -27437465.47 -27437465.14 0.0264 0.0035
 Jupiter -79826-08-08 11:44 J -27434804.26 -27434804.01 -27434803.75 0.0523 0.0214
 Saturn -79819-06-19 05:01 J -27432297.53 -27432297.29 -27432297.03 0.0296 0.0117
 Uranus -79818-02-25 23:59 J -27432045.72 -27432045.50 -27432045.26 0.0144 0.0099
 Uranus -79816-01-31 11:59 J -27431340.32 -27431340.00 -27431339.68 0.0145 0.0023
 Uranus -79814-01-07 21:49 J -27430633.88 -27430633.59 -27430633.28 0.0146 0.0060
 Uranus -79813-12-15 03:35 J -27429926.37 -27429926.35 -27429926.32 0.0147 0.0146
 Saturn -79803-06-16 03:06 J -27426456.53 -27426456.37 -27426456.17 0.0265 0.0220
 Saturn -79789-08-07 01:25 J -27421290.69 -27421290.44 -27421290.18 0.0296 0.0088
 Uranus -79780-10-27 07:11 J -27417922.38 -27417922.20 -27417921.99 0.0135 0.0102
 Uranus -79778-09-27 13:40 J -27417222.20 -27417221.93 -27417221.65 0.0134 0.0045
 Uranus -79776-08-27 08:08 J -27416522.45 -27416522.16 -27416521.87 0.0133 0.0010

Saturn -79775-07-30 16:18 J -27416185.10 -27416184.82 -27416184.53 0.0264 0.0120
 Uranus -79774-07-27 14:37 J -27415823.13 -27415822.89 -27415822.62 0.0133 0.0063
 Jupiter -79772-05-03 14:23 J -27415177.16 -27415176.90 -27415176.63 0.0505 0.0054
 Neptune -79772-05-11 02:52 J -27415169.49 -27415169.38 -27415169.21 0.0088 0.0078
 Uranus -79772-06-25 12:28 J -27415124.11 -27415123.98 -27415123.81 0.0132 0.0112
 Neptune -79770-04-05 05:16 J -27414475.58 -27414475.28 -27414474.98 0.0088 0.0003
 Neptune -79768-02-27 03:20 J -27413781.45 -27413781.36 -27413781.23 0.0088 0.0082
 Saturn -79759-09-24 18:42 J -27410284.77 -27410284.72 -27410284.63 0.0295 0.0286
 Saturn -79745-09-19 09:35 J -27405176.41 -27405176.10 -27405175.78 0.0265 0.0059
 Uranus -79736-11-17 03:06 J -27401830.44 -27401830.37 -27401830.25 0.0143 0.0137
 Uranus -79734-10-23 00:13 J -27401125.76 -27401125.49 -27401125.19 0.0144 0.0065
 Uranus -79732-09-27 19:54 J -27400419.99 -27400419.67 -27400419.34 0.0145 0.0015
 Saturn -79731-11-13 22:47 J -27400007.80 -27400007.55 -27400007.29 0.0296 0.0093
 Uranus -79730-09-04 12:13 J -27399713.23 -27399712.99 -27399712.74 0.0146 0.0099
 Saturn -79715-11-10 13:25 J -27394167.05 -27394166.94 -27394166.80 0.0265 0.0244
 Saturn -79700-01-01 01:54 J -27389001.66 -27389001.42 -27389001.16 0.0296 0.0113
 Uranus -79697-07-21 08:52 J -27387704.19 -27387704.13 -27387704.06 0.0136 0.0132
 Uranus -79695-06-21 23:44 J -27387003.75 -27387003.51 -27387003.26 0.0135 0.0074
 Uranus -79693-05-22 02:23 J -27386303.69 -27386303.40 -27386303.11 0.0134 0.0018
 Uranus -79691-04-21 16:32 J -27385604.08 -27385603.81 -27385603.53 0.0133 0.0036
 Uranus -79689-03-20 20:23 J -27384904.85 -27384904.65 -27384904.42 0.0132 0.0088
 Neptune -79689-12-10 17:16 J -27384640.06 -27384639.78 -27384639.45 0.0089 0.0032
 Neptune -79687-11-06 07:40 J -27383944.40 -27383944.18 -27383943.90 0.0089 0.0059
 Saturn -79687-12-25 01:11 J -27383895.74 -27383895.45 -27383895.15 0.0265 0.0100
 Saturn -79672-02-19 17:30 J -27378724.86 -27378724.77 -27378724.67 0.0296 0.0275
 Jupiter -79672-10-31 13:11 J -27378471.23 -27378470.95 -27378470.67 0.0522 0.0025
 Saturn -79656-02-14 01:11 J -27372886.75 -27372886.45 -27372886.13 0.0265 0.0085
 Jupiter -79654-10-23 08:52 J -27371905.16 -27371905.13 -27371905.08 0.0503 0.0496
 Uranus -79651-07-14 04:18 J -27370910.53 -27370910.32 -27370910.08 0.0144 0.0102
 Uranus -79649-06-18 09:35 J -27370205.41 -27370205.10 -27370204.78 0.0145 0.0027

Uranus -79647-05-25 11:59 J -27369499.30 -27369499.00 -27369498.69 0.0146 0.0054
 Uranus -79645-05-01 09:35 J -27368792.20 -27368792.10 -27368791.98 0.0146 0.0138
 Saturn -79642-04-10 07:11 J -27367718.46 -27367718.20 -27367717.93 0.0296 0.0066
 Saturn -79628-03-31 01:40 J -27362614.52 -27362614.43 -27362614.34 0.0265 0.0254
 Jupiter -79618-07-28 01:54 J -27358843.68 -27358843.42 -27358843.17 0.0505 0.0129
 Uranus -79612-03-16 04:32 J -27356785.49 -27356785.31 -27356785.10 0.0135 0.0103
 Saturn -79612-05-29 05:30 J -27356711.50 -27356711.27 -27356711.03 0.0296 0.0141
 Uranus -79610-02-14 16:18 J -27356085.08 -27356084.82 -27356084.53 0.0134 0.0046
 Uranus -79608-01-14 14:37 J -27355385.18 -27355384.89 -27355384.60 0.0134 0.0010
 Neptune -79607-11-18 06:42 J -27354712.48 -27354712.22 -27354711.92 0.0088 0.0034
 Uranus -79607-12-15 01:11 J -27354685.70 -27354685.45 -27354685.19 0.0133 0.0062
 Neptune -79605-10-12 08:08 J -27354018.40 -27354018.16 -27354017.89 0.0088 0.0046
 Uranus -79605-11-13 03:20 J -27353986.49 -27353986.36 -27353986.19 0.0132 0.0112
 Saturn -79598-05-21 19:25 J -27351605.99 -27351605.69 -27351605.37 0.0264 0.0073
 Saturn -79584-07-17 07:40 J -27346435.32 -27346435.18 -27346435.02 0.0296 0.0247
 Uranus -79568-04-04 13:54 J -27340694.98 -27340694.92 -27340694.81 0.0143 0.0138
 Saturn -79568-07-11 08:23 J -27340597.44 -27340597.15 -27340596.84 0.0265 0.0104
 Uranus -79566-03-10 04:04 J -27339990.59 -27339990.33 -27339990.03 0.0144 0.0067
 Uranus -79564-02-12 16:47 J -27339285.12 -27339284.80 -27339284.47 0.0145 0.0010
 Uranus -79562-01-20 01:11 J -27338578.69 -27338578.45 -27338578.18 0.0146 0.0092
 Saturn -79554-09-05 10:47 J -27335428.32 -27335428.05 -27335427.78 0.0296 0.0037
 Pluto -79540-02-11 19:25 J -27330519.69 -27330519.69 -27330519.66 0.0077 0.0077
 Saturn -79540-08-25 19:54 J -27330324.82 -27330324.67 -27330324.50 0.0265 0.0226
 Uranus -79530-12-09 04:32 J -27326567.34 -27326567.31 -27326567.22 0.0136 0.0133
 Uranus -79528-11-09 02:23 J -27325866.64 -27325866.40 -27325866.15 0.0135 0.0074
 Uranus -79526-10-10 09:20 J -27325166.39 -27325166.11 -27325165.81 0.0134 0.0018
 Neptune -79525-07-24 14:23 J -27324878.06 -27324877.90 -27324877.68 0.0089 0.0072
 Uranus -79524-09-09 03:35 J -27324466.63 -27324466.35 -27324466.07 0.0133 0.0036
 Saturn -79524-10-23 18:13 J -27324421.95 -27324421.74 -27324421.51 0.0296 0.0169
 Neptune -79523-06-20 03:49 J -27324182.65 -27324182.34 -27324182.01 0.0089 0.0017

Uranus -79522-08-09 11:01 J -27323767.23 -27323767.04 -27323766.80 0.0133 0.0088
 Jupiter -79517-01-25 03:06 J -27322137.63 -27322137.37 -27322137.10 0.0522 0.0195
 Saturn -79510-10-15 20:52 J -27319316.94 -27319316.63 -27319316.31 0.0265 0.0057
 Jupiter -79499-01-15 18:42 J -27315571.92 -27315571.72 -27315571.50 0.0503 0.0317
 Saturn -79496-12-12 05:01 J -27314145.46 -27314145.29 -27314145.10 0.0296 0.0220
 Uranus -79484-11-29 09:20 J -27309775.31 -27309775.11 -27309774.88 0.0143 0.0104
 Uranus -79482-11-04 07:11 J -27309070.52 -27309070.20 -27309069.89 0.0145 0.0031
 Uranus -79480-10-10 01:11 J -27308364.76 -27308364.45 -27308364.14 0.0145 0.0048
 Saturn -79480-12-05 23:01 J -27308307.81 -27308307.54 -27308307.25 0.0264 0.0131
 Uranus -79478-09-16 15:35 J -27307657.97 -27307657.85 -27307657.67 0.0146 0.0131
 Saturn -79465-01-30 18:56 J -27303138.97 -27303138.71 -27303138.44 0.0296 0.0013
 Jupiter -79464-10-20 10:04 J -27302510.29 -27302510.08 -27302509.87 0.0505 0.0296
 Saturn -79451-01-19 15:35 J -27298036.04 -27298035.85 -27298035.66 0.0265 0.0211
 Uranus -79445-08-03 05:01 J -27295648.45 -27295648.29 -27295648.07 0.0136 0.0104
 Neptune -79443-07-03 05:44 J -27294949.40 -27294949.26 -27294949.05 0.0088 0.0073
 Uranus -79443-07-04 21:20 J -27294947.88 -27294947.61 -27294947.32 0.0135 0.0046
 Neptune -79441-05-27 08:08 J -27294255.45 -27294255.16 -27294254.86 0.0088 0.0008
 Uranus -79441-06-03 23:16 J -27294247.82 -27294247.53 -27294247.23 0.0134 0.0010
 Neptune -79439-04-21 07:40 J -27293561.19 -27293561.18 -27293561.10 0.0088 0.0087
 Uranus -79439-05-04 14:08 J -27293548.16 -27293547.91 -27293547.65 0.0133 0.0062
 Uranus -79437-04-02 19:25 J -27292848.83 -27292848.69 -27292848.52 0.0132 0.0111
 Saturn -79435-03-20 06:28 J -27292132.42 -27292132.23 -27292132.02 0.0296 0.0191
 Saturn -79421-03-11 07:25 J -27287027.51 -27287027.19 -27287026.87 0.0264 0.0030
 Saturn -79407-05-08 07:25 J -27281856.38 -27281856.19 -27281855.98 0.0296 0.0199
 Uranus -79401-08-20 17:59 J -27279559.80 -27279559.75 -27279559.66 0.0143 0.0139
 Jupiter -79399-07-14 00:13 J -27278867.68 -27278867.49 -27278867.28 0.0524 0.0364
 Uranus -79399-07-26 00:28 J -27278855.74 -27278855.48 -27278855.19 0.0144 0.0071
 Uranus -79397-06-30 04:18 J -27278150.64 -27278150.32 -27278150.00 0.0145 0.0004
 Uranus -79395-06-06 04:32 J -27277444.57 -27277444.31 -27277444.04 0.0146 0.0084
 Saturn -79391-05-01 09:35 J -27276019.37 -27276019.10 -27276018.82 0.0265 0.0142

Saturn -79377-06-25 19:40 J -27270849.95 -27270849.68 -27270849.41 0.0297 0.0007
 Jupiter -79363-04-19 12:28 J -27265804.17 -27265803.98 -27265803.80 0.0522 0.0393
 Saturn -79363-06-15 20:08 J -27265746.87 -27265746.66 -27265746.42 0.0264 0.0186
 Uranus -79362-04-28 00:42 J -27265430.53 -27265430.47 -27265430.39 0.0136 0.0133
 Uranus -79360-03-29 03:20 J -27264729.60 -27264729.36 -27264729.10 0.0135 0.0074
 Neptune -79359-01-31 22:32 J -27264420.86 -27264420.56 -27264420.23 0.0089 0.0025
 Uranus -79358-02-27 14:37 J -27264029.18 -27264028.89 -27264028.60 0.0134 0.0017
 Neptune -79358-12-28 11:59 J -27263725.20 -27263725.00 -27263724.75 0.0089 0.0065
 Uranus -79356-01-27 12:56 J -27263329.22 -27263328.96 -27263328.66 0.0133 0.0038
 Uranus -79355-12-28 01:11 J -27262629.65 -27262629.45 -27262629.22 0.0133 0.0088
 Saturn -79347-08-14 00:56 J -27259843.65 -27259843.46 -27259843.27 0.0296 0.0208
 Jupiter -79345-04-10 15:06 J -27259238.13 -27259237.87 -27259237.61 0.0503 0.0117
 Saturn -79333-08-04 11:01 J -27254739.36 -27254739.04 -27254738.72 0.0264 0.0020
 Saturn -79319-10-01 17:59 J -27249567.95 -27249567.75 -27249567.53 0.0297 0.0186
 Uranus -79316-04-16 09:06 J -27248640.32 -27248640.12 -27248639.90 0.0143 0.0106
 Uranus -79314-03-21 20:23 J -27247935.95 -27247935.65 -27247935.33 0.0144 0.0036
 Uranus -79312-02-24 05:16 J -27247230.58 -27247230.28 -27247229.95 0.0145 0.0041
 Uranus -79310-01-31 11:59 J -27246524.16 -27246524.00 -27246523.79 0.0146 0.0121
 Saturn -79303-09-25 05:30 J -27243730.51 -27243730.27 -27243730.01 0.0264 0.0165
 Pluto -79294-07-04 00:13 J -27240526.74 -27240526.49 -27240526.22 0.0078 0.0033
 Saturn -79289-11-19 06:28 J -27238561.50 -27238561.23 -27238560.96 0.0297 0.0019
 Uranus -79278-12-21 23:30 J -27234511.70 -27234511.52 -27234511.31 0.0136 0.0103
 Neptune -79277-01-10 05:44 J -27234492.53 -27234492.26 -27234491.96 0.0088 0.0031
 Uranus -79276-11-21 21:06 J -27233810.88 -27233810.62 -27233810.32 0.0135 0.0045
 Neptune -79276-12-04 06:56 J -27233798.43 -27233798.21 -27233797.94 0.0088 0.0050
 Saturn -79275-11-08 17:16 J -27233459.00 -27233458.78 -27233458.53 0.0264 0.0177
 Uranus -79274-10-23 05:44 J -27233110.55 -27233110.26 -27233109.97 0.0134 0.0011
 Uranus -79272-09-22 02:08 J -27232410.65 -27232410.41 -27232410.14 0.0133 0.0064
 Uranus -79270-08-22 09:49 J -27231711.21 -27231711.09 -27231710.91 0.0133 0.0113
 Saturn -79258-01-07 02:37 J -27227555.56 -27227555.39 -27227555.20 0.0297 0.0218

Jupiter -79245-10-06 21:06 J -27222533.88 -27222533.62 -27222533.34 0.0524 0.0136
 Saturn -79245-12-29 00:56 J -27222450.78 -27222450.46 -27222450.13 0.0264 0.0004
 Uranus -79233-01-07 05:59 J -27218424.28 -27218424.25 -27218424.16 0.0142 0.0140
 Uranus -79232-12-11 02:23 J -27217720.65 -27217720.40 -27217720.11 0.0143 0.0074
 Saturn -79230-02-24 20:52 J -27217279.85 -27217279.63 -27217279.41 0.0297 0.0178
 Uranus -79230-11-15 19:54 J -27217015.99 -27217015.67 -27217015.35 0.0144 0.0002
 Uranus -79228-10-21 11:01 J -27216310.30 -27216310.04 -27216309.75 0.0146 0.0077
 Saturn -79214-02-17 18:42 J -27211442.96 -27211442.72 -27211442.47 0.0264 0.0170
 Saturn -79200-04-13 20:52 J -27206273.89 -27206273.63 -27206273.36 0.0297 0.0026
 Neptune -79196-09-14 17:30 J -27204658.95 -27204658.77 -27204658.52 0.0089 0.0067
 Uranus -79195-09-14 13:40 J -27204293.96 -27204293.93 -27204293.84 0.0137 0.0134
 Neptune -79194-08-11 04:04 J -27203963.63 -27203963.33 -27203963.00 0.0089 0.0022
 Uranus -79193-08-15 23:16 J -27203592.77 -27203592.53 -27203592.26 0.0136 0.0074
 Jupiter -79191-07-06 10:04 J -27202903.33 -27202903.08 -27202902.82 0.0503 0.0145
 Uranus -79191-07-17 17:01 J -27202892.08 -27202891.79 -27202891.49 0.0135 0.0016
 Uranus -79189-06-16 21:35 J -27202191.87 -27202191.60 -27202191.31 0.0134 0.0038
 Uranus -79187-05-17 13:11 J -27201492.15 -27201491.95 -27201491.72 0.0133 0.0089
 Saturn -79186-04-04 02:52 J -27201170.62 -27201170.38 -27201170.11 0.0264 0.0158
 Saturn -79170-06-02 02:37 J -27195267.55 -27195267.39 -27195267.21 0.0297 0.0224
 Saturn -79156-05-23 13:25 J -27190163.25 -27190162.94 -27190162.61 0.0263 0.0010
 Uranus -79149-09-02 03:49 J -27187504.52 -27187504.34 -27187504.11 0.0143 0.0107
 Uranus -79147-08-07 06:28 J -27186800.52 -27186800.23 -27186799.91 0.0144 0.0038
 Uranus -79145-07-12 07:40 J -27186095.49 -27186095.18 -27186094.87 0.0145 0.0037
 Uranus -79143-06-18 05:30 J -27185389.46 -27185389.27 -27185389.06 0.0146 0.0115
 Saturn -79142-07-20 03:35 J -27184992.57 -27184992.35 -27184992.13 0.0297 0.0175
 Pluto -79133-05-15 18:42 J -27181770.02 -27181769.72 -27181769.37 0.0067 0.0026
 Saturn -79126-07-14 01:40 J -27179154.64 -27179154.43 -27179154.20 0.0263 0.0190
 Neptune -79114-08-24 23:30 J -27174729.69 -27174729.52 -27174729.32 0.0088 0.0070
 Neptune -79112-07-19 04:32 J -27174035.61 -27174035.31 -27174035.01 0.0088 0.0010
 Saturn -79112-09-06 20:08 J -27173985.92 -27173985.66 -27173985.39 0.0297 0.0031

Uranus	-79110-05-10 18:56 J	-27173374.91	-27173374.71	-27173374.51	0.0136	0.0103
Uranus	-79108-04-10 22:47 J	-27172673.82	-27172673.55	-27172673.25	0.0135	0.0045
Uranus	-79106-03-12 13:11 J	-27171973.24	-27171972.95	-27171972.65	0.0134	0.0013
Uranus	-79104-02-09 13:25 J	-27171273.18	-27171272.94	-27171272.67	0.0134	0.0065
Uranus	-79102-01-10 00:42 J	-27170573.59	-27170573.47	-27170573.30	0.0133	0.0114
Saturn	-79098-08-27 18:28 J	-27168882.98	-27168882.73	-27168882.46	0.0264	0.0149
Jupiter	-79090-01-02 00:56 J	-27166198.72	-27166198.46	-27166198.19	0.0524	0.0184
Saturn	-79082-10-25 11:16 J	-27162980.19	-27162980.03	-27162979.85	0.0297	0.0228
Jupiter	-79073-12-26 02:37 J	-27159630.63	-27159630.39	-27159630.15	0.0502	0.0233
Saturn	-79068-10-16 20:52 J	-27157874.95	-27157874.63	-27157874.31	0.0263	0.0027
Uranus	-79066-05-26 13:11 J	-27157287.99	-27157287.95	-27157287.85	0.0142	0.0138
Uranus	-79064-04-29 01:40 J	-27156584.69	-27156584.43	-27156584.15	0.0143	0.0073
Uranus	-79062-04-03 11:44 J	-27155880.33	-27155880.01	-27155879.70	0.0144	0.0002
Uranus	-79060-03-08 18:42 J	-27155174.99	-27155174.72	-27155174.43	0.0145	0.0074
Saturn	-79054-12-13 04:32 J	-27152704.52	-27152704.31	-27152704.08	0.0297	0.0170
Saturn	-79038-12-06 18:28 J	-27146866.93	-27146866.73	-27146866.51	0.0263	0.0198
Jupiter	-79037-09-29 20:52 J	-27146568.79	-27146568.63	-27146568.44	0.0504	0.0386
Neptune	-79030-03-24 22:47 J	-27144201.85	-27144201.55	-27144201.22	0.0089	0.0021
Neptune	-79028-02-17 09:06 J	-27143506.30	-27143506.12	-27143505.88	0.0089	0.0068
Uranus	-79027-02-01 08:37 J	-27143157.19	-27143157.14	-27143157.04	0.0137	0.0133
Uranus	-79025-01-03 23:59 J	-27142455.74	-27142455.50	-27142455.23	0.0136	0.0073
Uranus	-79024-12-05 00:28 J	-27141754.78	-27141754.48	-27141754.18	0.0135	0.0015
Saturn	-79023-01-30 04:47 J	-27141698.56	-27141698.30	-27141698.03	0.0297	0.0035
Uranus	-79022-11-05 09:35 J	-27141054.36	-27141054.10	-27141053.80	0.0134	0.0041
Uranus	-79020-10-05 05:30 J	-27140354.47	-27140354.27	-27140354.04	0.0133	0.0091
Saturn	-79009-01-21 04:04 J	-27136594.59	-27136594.33	-27136594.05	0.0264	0.0133

79TH MILLENNIUM BCE

This is a list of transits of Mars in the 79th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Saturn	-78993-03-19 18:56 J		-27130691.86	-27130691.71	-27130691.55	0.0297	0.0237	
Uranus	-78981-01-20 07:25 J		-27126368.38	-27126368.19	-27126367.97	0.0142	0.0105	
Uranus	-78980-12-24 03:06 J		-27125664.66	-27125664.37	-27125664.06	0.0143	0.0038	
Saturn	-78979-03-11 22:32 J		-27125586.87	-27125586.56	-27125586.24	0.0263	0.0040	
Uranus	-78978-11-28 20:08 J		-27124959.96	-27124959.66	-27124959.34	0.0145	0.0034	
Uranus	-78976-11-03 10:04 J		-27124254.28	-27124254.08	-27124253.86	0.0146	0.0111	
Jupiter	-78972-06-21 15:06 J		-27122928.08	-27122927.87	-27122927.65	0.0525	0.0333	
Saturn	-78965-05-06 20:08 J		-27120416.88	-27120416.66	-27120416.42	0.0296	0.0162	
Saturn	-78949-05-01 11:01 J		-27114578.21	-27114578.04	-27114577.85	0.0264	0.0220	
Neptune	-78948-03-02 19:54 J		-27114272.93	-27114272.67	-27114272.36	0.0088	0.0030	
Neptune	-78946-01-26 00:13 J		-27113578.72	-27113578.49	-27113578.22	0.0088	0.0051	
Uranus	-78943-09-27 18:28 J		-27112237.91	-27112237.73	-27112237.51	0.0137	0.0102	
Uranus	-78941-08-29 05:44 J		-27111536.53	-27111536.26	-27111535.96	0.0136	0.0043	
Uranus	-78939-07-31 00:42 J		-27110835.76	-27110835.47	-27110835.17	0.0135	0.0014	
Uranus	-78937-06-30 03:49 J		-27110135.58	-27110135.34	-27110135.07	0.0134	0.0067	
Jupiter	-78936-03-27 23:30 J		-27109864.68	-27109864.52	-27109864.35	0.0523	0.0424	
Uranus	-78935-05-30 20:08 J		-27109435.78	-27109435.66	-27109435.50	0.0133	0.0115	
Saturn	-78935-06-25 21:49 J		-27109409.85	-27109409.59	-27109409.32	0.0297	0.0048	
Saturn	-78921-06-15 16:32 J		-27104306.09	-27104305.81	-27104305.52	0.0264	0.0116	
Jupiter	-78918-03-22 04:47 J		-27103296.57	-27103296.30	-27103296.03	0.0502	0.0011	
Saturn	-78905-08-12 20:23 J		-27098403.78	-27098403.65	-27098403.50	0.0297	0.0250	
Uranus	-78899-10-12 17:01 J		-27096151.85	-27096151.79	-27096151.69	0.0141	0.0137	

Uranus -78897-09-14 21:49 J -27095448.84 -27095448.59 -27095448.31 0.0143 0.0074
 Uranus -78895-08-19 23:44 J -27094744.82 -27094744.51 -27094744.19 0.0144 0.0005
 Uranus -78893-07-24 22:18 J -27094039.84 -27094039.57 -27094039.28 0.0145 0.0069
 Saturn -78891-08-05 21:06 J -27093297.93 -27093297.62 -27093297.30 0.0264 0.0060
 Saturn -78877-09-30 23:59 J -27088127.74 -27088127.50 -27088127.26 0.0297 0.0145
 Neptune -78867-11-05 16:47 J -27084440.02 -27084439.80 -27084439.57 0.0089 0.0063
 Neptune -78865-10-01 02:08 J -27083744.72 -27083744.41 -27083744.09 0.0089 0.0024
 Saturn -78861-09-25 09:49 J -27082289.21 -27082289.09 -27082288.95 0.0263 0.0240
 Uranus -78860-06-21 03:20 J -27082020.41 -27082020.36 -27082020.25 0.0138 0.0133
 Uranus -78858-05-24 01:54 J -27081318.67 -27081318.42 -27081318.15 0.0136 0.0072
 Uranus -78856-04-24 07:25 J -27080617.48 -27080617.19 -27080616.88 0.0135 0.0014
 Uranus -78854-03-25 20:23 J -27079916.92 -27079916.65 -27079916.36 0.0134 0.0042
 Uranus -78852-02-22 20:52 J -27079216.84 -27079216.63 -27079216.42 0.0134 0.0092
 Saturn -78847-11-19 10:18 J -27077121.32 -27077121.07 -27077120.80 0.0297 0.0066
 Saturn -78833-11-09 19:54 J -27072016.96 -27072016.67 -27072016.37 0.0264 0.0098
 Jupiter -78818-09-15 00:56 J -27066594.73 -27066594.46 -27066594.19 0.0525 0.0124
 Saturn -78816-01-07 09:20 J -27066114.21 -27066114.11 -27066113.99 0.0297 0.0271
 Uranus -78814-06-08 02:52 J -27065232.57 -27065232.38 -27065232.16 0.0142 0.0106
 Uranus -78812-05-11 14:08 J -27064529.20 -27064528.91 -27064528.60 0.0143 0.0041
 Uranus -78810-04-15 21:35 J -27063824.90 -27063824.60 -27063824.28 0.0144 0.0030
 Uranus -78808-03-21 02:08 J -27063119.61 -27063119.41 -27063119.16 0.0145 0.0106
 Saturn -78803-12-31 05:59 J -27061008.55 -27061008.25 -27061007.94 0.0264 0.0084
 Jupiter -78800-09-09 23:01 J -27060024.66 -27060024.54 -27060024.40 0.0501 0.0438
 Pluto -78799-03-04 14:08 J -27059849.02 -27059848.91 -27059848.73 0.0077 0.0067
 Saturn -78788-02-24 23:30 J -27055838.77 -27055838.52 -27055838.27 0.0296 0.0122
 Neptune -78785-10-15 12:56 J -27054510.14 -27054509.96 -27054509.76 0.0088 0.0069
 Neptune -78783-09-09 18:28 J -27053816.03 -27053815.73 -27053815.43 0.0088 0.0012
 Uranus -78775-02-14 12:28 J -27051101.16 -27051100.98 -27051100.75 0.0137 0.0102
 Saturn -78774-02-15 05:59 J -27050735.34 -27050735.25 -27050735.14 0.0265 0.0249
 Uranus -78773-01-17 05:59 J -27050399.53 -27050399.25 -27050398.95 0.0136 0.0041

Saturn -78772-02-19 20:37 J -27049999.64 -27049999.64 -27049999.59 0.0264 0.0264
 Uranus -78772-12-18 05:44 J -27049698.56 -27049698.26 -27049697.96 0.0135 0.0016
 Uranus -78770-11-18 14:52 J -27048998.12 -27048997.88 -27048997.62 0.0134 0.0069
 Uranus -78768-10-18 12:28 J -27048298.09 -27048297.98 -27048297.82 0.0133 0.0118
 Jupiter -78764-06-14 21:20 J -27046962.86 -27046962.61 -27046962.36 0.0503 0.0190
 Saturn -78758-04-16 07:54 J -27044831.42 -27044831.17 -27044830.91 0.0297 0.0092
 Saturn -78744-04-06 11:30 J -27039727.31 -27039727.02 -27039726.70 0.0264 0.0071
 Uranus -78731-02-28 17:01 J -27035015.85 -27035015.79 -27035015.70 0.0141 0.0136
 Uranus -78729-02-01 12:56 J -27034313.21 -27034312.96 -27034312.69 0.0142 0.0075
 Uranus -78727-01-05 04:47 J -27033609.61 -27033609.30 -27033608.99 0.0143 0.0009
 Uranus -78726-12-10 17:16 J -27032905.05 -27032904.78 -27032904.48 0.0144 0.0064
 Uranus -78724-11-15 05:16 J -27032199.36 -27032199.28 -27032199.18 0.0145 0.0140
 Saturn -78714-05-27 17:16 J -27028719.07 -27028718.78 -27028718.48 0.0264 0.0104
 Neptune -78701-05-14 18:56 J -27023983.01 -27023982.71 -27023982.38 0.0089 0.0019
 Saturn -78700-07-23 04:18 J -27023548.57 -27023548.32 -27023548.05 0.0297 0.0092
 Neptune -78699-04-10 04:47 J -27023287.49 -27023287.30 -27023287.09 0.0089 0.0069
 Uranus -78693-11-07 10:32 J -27020884.13 -27020884.06 -27020883.97 0.0138 0.0134
 Uranus -78691-10-10 16:47 J -27020182.04 -27020181.80 -27020181.52 0.0137 0.0072
 Uranus -78689-09-11 05:16 J -27019480.58 -27019480.28 -27019479.98 0.0136 0.0013
 Uranus -78687-08-13 00:56 J -27018779.74 -27018779.46 -27018779.18 0.0135 0.0042
 Saturn -78686-07-13 01:40 J -27018445.59 -27018445.43 -27018445.24 0.0264 0.0221
 Uranus -78685-07-13 06:56 J -27018079.40 -27018079.21 -27018078.98 0.0134 0.0094
 Saturn -78670-09-10 22:32 J -27012541.80 -27012541.56 -27012541.31 0.0297 0.0122
 Jupiter -78664-12-08 15:06 J -27010261.14 -27010260.87 -27010260.59 0.0524 0.0093
 Saturn -78656-08-31 20:37 J -27007437.94 -27007437.64 -27007437.32 0.0264 0.0052
 Uranus -78647-10-25 06:13 J -27004096.43 -27004096.24 -27004096.02 0.0141 0.0106
 Jupiter -78646-12-04 05:44 J -27003691.49 -27003691.26 -27003691.03 0.0501 0.0263
 Uranus -78645-09-27 07:54 J -27003393.46 -27003393.17 -27003392.87 0.0142 0.0043
 Uranus -78643-09-01 05:16 J -27002689.59 -27002689.28 -27002688.97 0.0144 0.0026
 Saturn -78642-10-29 17:44 J -27002265.84 -27002265.76 -27002265.65 0.0296 0.0277

Uranus -78641-08-06 01:11 J -27001984.66 -27001984.45 -27001984.20 0.0145 0.0101
 Pluto -78638-01-13 03:35 J -27001094.69 -27001094.35 -27001094.00 0.0067 0.0015
 Saturn -78626-10-22 13:25 J -26996429.20 -26996428.94 -26996428.65 0.0264 0.0135
 Neptune -78619-04-24 10:04 J -26994053.35 -26994053.08 -26994052.77 0.0088 0.0029
 Neptune -78617-03-18 14:23 J -26993359.11 -26993358.90 -26993358.62 0.0088 0.0053
 Saturn -78612-12-17 20:52 J -26991258.89 -26991258.63 -26991258.36 0.0296 0.0061
 Jupiter -78610-09-08 02:23 J -26990629.59 -26990629.40 -26990629.20 0.0503 0.0351
 Uranus -78608-07-03 21:20 J -26989964.79 -26989964.61 -26989964.37 0.0138 0.0103
 Uranus -78606-06-05 21:20 J -26989262.88 -26989262.61 -26989262.30 0.0137 0.0042
 Uranus -78604-05-07 04:04 J -26988561.63 -26988561.33 -26988561.03 0.0136 0.0016
 Uranus -78602-04-07 20:08 J -26987860.90 -26987860.66 -26987860.39 0.0135 0.0070
 Uranus -78600-03-07 22:32 J -26987160.68 -26987160.56 -26987160.42 0.0134 0.0119
 Saturn -78598-12-07 05:44 J -26986156.45 -26986156.26 -26986156.05 0.0265 0.0203
 Saturn -78581-02-05 22:18 J -26980251.79 -26980251.57 -26980251.33 0.0297 0.0152
 Saturn -78567-01-26 14:23 J -26975148.22 -26975147.90 -26975147.58 0.0264 0.0021
 Uranus -78564-07-18 09:49 J -26973879.15 -26973879.09 -26973878.98 0.0140 0.0135
 Uranus -78562-06-20 22:04 J -26973176.82 -26973176.58 -26973176.30 0.0142 0.0076
 Uranus -78560-05-24 05:44 J -26972473.57 -26972473.26 -26972472.95 0.0143 0.0010
 Uranus -78558-04-28 10:32 J -26971769.35 -26971769.06 -26971768.77 0.0144 0.0061
 Uranus -78556-04-02 13:25 J -26971064.03 -26971063.94 -26971063.81 0.0145 0.0136
 Saturn -78553-03-25 07:11 J -26969976.34 -26969976.20 -26969976.05 0.0296 0.0249
 Jupiter -78545-05-27 16:18 J -26966990.94 -26966990.82 -26966990.69 0.0527 0.0466
 Neptune -78538-12-27 15:06 J -26964221.08 -26964220.87 -26964220.62 0.0089 0.0061
 Saturn -78537-03-17 11:44 J -26964140.26 -26964140.01 -26964139.74 0.0264 0.0150
 Neptune -78536-11-21 21:06 J -26963525.91 -26963525.62 -26963525.29 0.0089 0.0026
 Uranus -78525-03-26 16:18 J -26959747.85 -26959747.82 -26959747.72 0.0139 0.0136
 Uranus -78523-02-27 05:44 J -26959045.50 -26959045.26 -26959044.98 0.0138 0.0073
 Saturn -78523-05-14 12:28 J -26958969.25 -26958968.98 -26958968.71 0.0297 0.0034
 Uranus -78521-01-30 00:28 J -26958343.78 -26958343.48 -26958343.18 0.0136 0.0013
 Uranus -78520-12-31 03:06 J -26957642.63 -26957642.37 -26957642.07 0.0135 0.0044

Uranus	-78518-12-01 15:06 J	-26956942.06	-26956941.87	-26956941.64	0.0134	0.0096
Jupiter	-78509-03-02 16:32 J	-26953928.05	-26953927.81	-26953927.57	0.0525	0.0262
Saturn	-78509-05-02 18:56 J	-26953866.95	-26953866.71	-26953866.48	0.0264	0.0174
Saturn	-78493-07-02 05:01 J	-26947962.50	-26947962.29	-26947962.06	0.0297	0.0176
Jupiter	-78491-02-26 17:30 J	-26947358.04	-26947357.77	-26947357.50	0.0501	0.0084
Uranus	-78479-03-13 23:30 J	-26942959.70	-26942959.52	-26942959.30	0.0141	0.0105
Saturn	-78479-06-22 05:01 J	-26942859.61	-26942859.29	-26942858.97	0.0264	0.0007
Uranus	-78477-02-14 17:01 J	-26942257.07	-26942256.79	-26942256.48	0.0142	0.0043
Uranus	-78475-01-18 08:08 J	-26941553.47	-26941553.16	-26941552.86	0.0143	0.0026
Uranus	-78474-12-23 20:37 J	-26940848.85	-26940848.64	-26940848.39	0.0144	0.0098
Saturn	-78465-08-19 09:06 J	-26937687.28	-26937687.12	-26937686.93	0.0296	0.0227
Neptune	-78456-12-07 00:28 J	-26934290.64	-26934290.48	-26934290.25	0.0088	0.0068
Neptune	-78454-11-01 09:06 J	-26933596.41	-26933596.12	-26933595.81	0.0088	0.0014
Saturn	-78449-08-11 16:18 J	-26931851.04	-26931850.82	-26931850.56	0.0263	0.0178
Uranus	-78441-11-20 09:06 J	-26928828.30	-26928828.12	-26928827.88	0.0138	0.0104
Uranus	-78439-10-23 15:49 J	-26928126.12	-26928125.84	-26928125.54	0.0137	0.0042
Uranus	-78437-09-24 05:59 J	-26927424.54	-26927424.25	-26927423.94	0.0136	0.0017
Uranus	-78435-08-26 04:04 J	-26926723.57	-26926723.33	-26926723.07	0.0135	0.0071
Saturn	-78435-10-08 11:16 J	-26926680.30	-26926680.03	-26926679.76	0.0297	0.0014
Uranus	-78433-07-26 10:32 J	-26926023.17	-26926023.06	-26926022.92	0.0134	0.0121
Saturn	-78421-09-26 02:08 J	-26921578.65	-26921578.41	-26921578.15	0.0264	0.0160
Saturn	-78405-11-25 21:35 J	-26915673.80	-26915673.60	-26915673.39	0.0298	0.0194
Uranus	-78397-12-05 05:44 J	-26912742.33	-26912742.26	-26912742.14	0.0140	0.0133
Uranus	-78395-11-07 10:04 J	-26912040.31	-26912040.08	-26912039.80	0.0141	0.0075
Uranus	-78393-10-10 10:47 J	-26911337.36	-26911337.05	-26911336.74	0.0142	0.0010
Jupiter	-78391-08-21 03:49 J	-26910657.56	-26910657.34	-26910657.09	0.0527	0.0271
Uranus	-78391-09-14 08:23 J	-26910633.42	-26910633.15	-26910632.85	0.0143	0.0060
Saturn	-78391-11-16 03:06 J	-26910570.69	-26910570.37	-26910570.06	0.0263	0.0019
Uranus	-78389-08-19 03:20 J	-26909928.47	-26909928.36	-26909928.22	0.0145	0.0133
Saturn	-78376-01-12 21:49 J	-26905398.77	-26905398.59	-26905398.39	0.0297	0.0213

Jupiter -78373-08-17 18:28 J -26904085.76 -26904085.73 -26904085.67 0.0499 0.0492
 Neptune -78372-07-05 17:30 J -26903764.07 -26903763.77 -26903763.44 0.0089 0.0017
 Neptune -78370-05-31 23:44 J -26903068.67 -26903068.51 -26903068.28 0.0089 0.0071
 Saturn -78360-01-04 14:37 J -26899563.10 -26899562.89 -26899562.65 0.0263 0.0186
 Uranus -78358-08-14 00:42 J -26898611.50 -26898611.47 -26898611.37 0.0139 0.0136
 Uranus -78356-07-16 20:23 J -26897908.90 -26897908.65 -26897908.37 0.0138 0.0073
 Uranus -78354-06-18 22:18 J -26897206.87 -26897206.57 -26897206.27 0.0137 0.0012
 Uranus -78352-05-20 06:42 J -26896505.49 -26896505.22 -26896504.92 0.0136 0.0045
 Uranus -78350-04-20 23:16 J -26895804.72 -26895804.53 -26895804.31 0.0135 0.0097
 Saturn -78346-03-03 11:44 J -26894392.28 -26894392.01 -26894391.74 0.0297 0.0003
 Jupiter -78337-05-23 05:01 J -26891023.54 -26891023.29 -26891023.03 0.0501 0.0158
 Saturn -78332-02-19 19:11 J -26889289.95 -26889289.70 -26889289.42 0.0264 0.0138
 Saturn -78316-04-21 03:35 J -26883385.54 -26883385.35 -26883385.15 0.0298 0.0204
 Uranus -78312-07-31 09:35 J -26881823.28 -26881823.10 -26881822.88 0.0140 0.0104
 Uranus -78310-07-03 20:08 J -26881120.94 -26881120.66 -26881120.35 0.0141 0.0044
 Uranus -78308-06-06 04:18 J -26880417.62 -26880417.32 -26880417.01 0.0143 0.0024
 Uranus -78306-05-11 07:40 J -26879713.39 -26879713.18 -26879712.92 0.0144 0.0095
 Pluto -78305-11-01 17:01 J -26879172.98 -26879172.79 -26879172.54 0.0077 0.0051
 Saturn -78302-04-10 22:18 J -26878282.88 -26878282.57 -26878282.25 0.0263 0.0028
 Neptune -78290-06-16 01:40 J -26873833.71 -26873833.43 -26873833.12 0.0088 0.0025
 Neptune -78288-05-10 08:52 J -26873139.36 -26873139.13 -26873138.88 0.0088 0.0055
 Saturn -78288-06-07 10:47 J -26873111.24 -26873111.05 -26873110.84 0.0297 0.0206
 Uranus -78273-04-08 16:04 J -26867692.02 -26867691.83 -26867691.60 0.0139 0.0104
 Saturn -78272-05-31 01:54 J -26867274.60 -26867274.42 -26867274.21 0.0263 0.0208
 Uranus -78271-03-12 06:28 J -26866989.52 -26866989.23 -26866988.93 0.0138 0.0042
 Uranus -78269-02-12 03:06 J -26866287.67 -26866287.37 -26866287.07 0.0136 0.0018
 Uranus -78267-01-13 05:59 J -26865586.50 -26865586.25 -26865586.00 0.0135 0.0073
 Uranus -78266-12-14 17:44 J -26864885.85 -26864885.76 -26864885.62 0.0134 0.0123
 Saturn -78258-07-27 12:13 J -26862104.26 -26862103.99 -26862103.72 0.0298 0.0004
 Saturn -78244-07-15 14:37 J -26857002.16 -26857001.89 -26857001.61 0.0263 0.0127

Jupiter -78237-11-15 05:16 J -26854322.55 -26854322.28 -26854322.01 0.0526 0.0035
 Uranus -78229-04-23 15:35 J -26851605.92 -26851605.85 -26851605.73 0.0139 0.0132
 Saturn -78228-09-13 13:25 J -26851098.12 -26851097.94 -26851097.74 0.0298 0.0210
 Uranus -78227-03-26 12:13 J -26850904.23 -26850903.99 -26850903.72 0.0141 0.0076
 Uranus -78225-02-27 05:16 J -26850201.58 -26850201.28 -26850200.97 0.0142 0.0012
 Uranus -78223-01-30 17:30 J -26849498.04 -26849497.77 -26849497.47 0.0143 0.0056
 Uranus -78221-01-05 03:06 J -26848793.51 -26848793.37 -26848793.22 0.0144 0.0128
 Jupiter -78219-11-12 16:04 J -26847751.07 -26847750.83 -26847750.58 0.0500 0.0221
 Saturn -78214-09-04 07:54 J -26845994.48 -26845994.17 -26845993.86 0.0263 0.0047
 Neptune -78208-02-16 15:35 J -26844002.06 -26844001.85 -26844001.57 0.0089 0.0059
 Neptune -78206-01-12 21:20 J -26843306.91 -26843306.61 -26843306.30 0.0089 0.0029
 Saturn -78200-10-31 08:52 J -26840823.32 -26840823.13 -26840822.92 0.0297 0.0202
 Uranus -78191-12-30 18:56 J -26837475.74 -26837475.71 -26837475.65 0.0140 0.0138
 Uranus -78189-12-02 23:01 J -26836772.78 -26836772.54 -26836772.26 0.0138 0.0075
 Uranus -78187-11-05 09:20 J -26836070.42 -26836070.11 -26836069.80 0.0137 0.0013
 Uranus -78185-10-07 00:28 J -26835368.75 -26835368.48 -26835368.18 0.0136 0.0046
 Saturn -78184-10-23 17:59 J -26834986.91 -26834986.75 -26834986.55 0.0263 0.0217
 Jupiter -78183-08-17 18:56 J -26834688.86 -26834688.71 -26834688.55 0.0502 0.0405
 Uranus -78183-09-07 23:59 J -26834667.69 -26834667.50 -26834667.29 0.0135 0.0099
 Saturn -78170-12-19 17:16 J -26829817.05 -26829816.78 -26829816.51 0.0297 0.0008
 Saturn -78156-12-08 22:47 J -26824713.82 -26824713.55 -26824713.26 0.0264 0.0112
 Uranus -78145-12-17 16:04 J -26820687.02 -26820686.83 -26820686.63 0.0140 0.0104
 Pluto -78144-09-09 09:20 J -26820421.32 -26820421.11 -26820420.86 0.0067 0.0051
 Uranus -78143-11-19 18:42 J -26819984.99 -26819984.72 -26819984.41 0.0141 0.0045
 Uranus -78141-10-22 17:01 J -26819282.10 -26819281.79 -26819281.49 0.0142 0.0020
 Saturn -78139-02-06 13:25 J -26818810.12 -26818809.94 -26818809.75 0.0298 0.0215
 Uranus -78139-09-26 09:49 J -26818578.31 -26818578.09 -26818577.82 0.0143 0.0090
 Neptune -78126-01-28 18:56 J -26814070.89 -26814070.71 -26814070.46 0.0088 0.0063
 Saturn -78125-01-28 04:32 J -26813706.62 -26813706.31 -26813706.00 0.0263 0.0058
 Neptune -78125-12-23 03:35 J -26813376.64 -26813376.35 -26813376.04 0.0088 0.0018

Jupiter -78118-05-06 09:35 J -26811051.23 -26811051.10 -26811050.95 0.0528 0.0453
 Saturn -78111-03-25 15:49 J -26808536.04 -26808535.84 -26808535.63 0.0296 0.0198
 Uranus -78106-08-26 06:28 J -26806556.41 -26806556.23 -26806556.01 0.0139 0.0108
 Uranus -78104-07-29 06:56 J -26805853.51 -26805853.21 -26805852.92 0.0138 0.0044
 Uranus -78102-07-01 10:32 J -26805151.36 -26805151.06 -26805150.75 0.0137 0.0017
 Uranus -78100-06-01 20:52 J -26804449.88 -26804449.63 -26804449.37 0.0136 0.0073
 Uranus -78098-05-03 16:47 J -26803748.91 -26803748.80 -26803748.69 0.0135 0.0124
 Saturn -78095-03-19 04:18 J -26802698.45 -26802698.32 -26802698.17 0.0263 0.0235
 Jupiter -78082-02-09 10:32 J -26797988.28 -26797988.06 -26797987.83 0.0526 0.0288
 Saturn -78081-05-13 22:18 J -26797528.84 -26797528.57 -26797528.29 0.0298 0.0014
 Saturn -78067-05-04 01:25 J -26792425.73 -26792425.44 -26792425.15 0.0263 0.0099
 Jupiter -78064-02-06 03:06 J -26791416.65 -26791416.37 -26791416.10 0.0500 0.0025
 Uranus -78062-09-11 08:23 J -26790469.23 -26790469.15 -26790469.03 0.0139 0.0131
 Uranus -78060-08-12 22:47 J -26789767.79 -26789767.55 -26789767.28 0.0140 0.0075
 Uranus -78058-07-16 07:25 J -26789065.49 -26789065.19 -26789064.88 0.0141 0.0013
 Uranus -78056-06-18 10:32 J -26788362.34 -26788362.06 -26788361.76 0.0142 0.0054
 Uranus -78054-05-23 10:32 J -26787658.20 -26787658.06 -26787657.89 0.0144 0.0124
 Saturn -78051-07-02 02:37 J -26786522.55 -26786522.39 -26786522.19 0.0298 0.0222
 Neptune -78043-08-26 19:54 J -26783544.98 -26783544.67 -26783544.34 0.0089 0.0013
 Neptune -78041-07-22 01:40 J -26782849.58 -26782849.43 -26782849.22 0.0089 0.0074
 Saturn -78037-06-22 17:16 J -26781418.08 -26781417.78 -26781417.47 0.0263 0.0074
 Saturn -78023-08-19 05:01 J -26776247.48 -26776247.29 -26776247.06 0.0297 0.0189
 Uranus -78021-04-20 15:49 J -26775637.09 -26775636.84 -26775636.57 0.0139 0.0077
 Uranus -78019-03-24 09:35 J -26774934.41 -26774934.10 -26774933.79 0.0138 0.0014
 Uranus -78017-02-24 08:23 J -26774232.43 -26774232.15 -26774231.85 0.0137 0.0045
 Uranus -78015-01-25 15:35 J -26773531.05 -26773530.85 -26773530.65 0.0136 0.0099
 Saturn -78009-08-08 09:35 J -26771144.17 -26771144.10 -26771143.98 0.0264 0.0252
 Saturn -78007-08-12 13:40 J -26770410.02 -26770409.93 -26770409.83 0.0263 0.0250

78TH MILLENNIUM BCE

This is a list of transits of Mars in the 78th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-77993-10-06	21:20 J	-26765240.88	-26765240.61	-26765240.34	0.0297	0.0025	
Saturn	-77979-09-27	17:44 J	-26760137.06	-26760136.76	-26760136.47	0.0264	0.0085	
Uranus	-77977-05-06	13:11 J	-26759550.14	-26759549.95	-26759549.74	0.0139	0.0102	
Uranus	-77975-04-08	09:06 J	-26758848.39	-26758848.12	-26758847.81	0.0140	0.0045	
Uranus	-77973-03-10	22:47 J	-26758145.85	-26758145.55	-26758145.25	0.0142	0.0020	
Uranus	-77971-02-12	08:08 J	-26757442.39	-26757442.16	-26757441.90	0.0143	0.0088	
Jupiter	-77964-07-30	05:59 J	-26754717.50	-26754717.25	-26754717.00	0.0527	0.0221	
Saturn	-77963-11-26	01:40 J	-26754233.58	-26754233.43	-26754233.26	0.0298	0.0236	
Neptune	-77961-08-07	00:42 J	-26753613.76	-26753613.47	-26753613.16	0.0088	0.0020	
Neptune	-77959-07-02	07:54 J	-26752919.37	-26752919.17	-26752918.93	0.0088	0.0060	
Saturn	-77949-11-16	11:30 J	-26749129.31	-26749129.02	-26749128.72	0.0263	0.0093	
Jupiter	-77946-07-28	22:32 J	-26748144.73	-26748144.56	-26748144.38	0.0499	0.0385	
Uranus	-77938-01-11	20:52 J	-26745420.80	-26745420.63	-26745420.42	0.0140	0.0111	
Uranus	-77937-12-15	04:04 J	-26744717.61	-26744717.33	-26744717.02	0.0138	0.0046	
Uranus	-77935-11-17	15:49 J	-26744015.14	-26744014.84	-26744014.53	0.0137	0.0016	
Saturn	-77934-01-12	14:52 J	-26743959.09	-26743958.88	-26743958.65	0.0296	0.0172	
Uranus	-77933-10-19	10:18 J	-26743313.31	-26743313.07	-26743312.80	0.0136	0.0073	
Uranus	-77931-09-20	12:56 J	-26742612.05	-26742611.96	-26742611.83	0.0135	0.0126	
Saturn	-77920-01-02	05:59 J	-26738855.38	-26738855.25	-26738855.11	0.0265	0.0239	
Jupiter	-77910-05-03	05:16 J	-26735082.51	-26735082.28	-26735082.04	0.0501	0.0253	

Saturn -77904-03-03 06:28 J -26732951.50 -26732951.23 -26732950.96 0.0298 0.0046
 Pluto -77896-12-18 13:25 J -26729739.26 -26729738.94 -26729738.60 0.0067 0.0025
 Uranus -77894-01-29 09:35 J -26729332.19 -26729332.10 -26729331.98 0.0138 0.0129
 Uranus -77893-12-30 18:28 J -26728630.97 -26728630.73 -26728630.46 0.0140 0.0074
 Uranus -77891-12-02 19:25 J -26727928.99 -26727928.69 -26727928.38 0.0141 0.0013
 Saturn -77890-02-21 21:06 J -26727847.93 -26727847.62 -26727847.32 0.0264 0.0062
 Uranus -77889-11-04 15:20 J -26727226.13 -26727225.86 -26727225.56 0.0142 0.0053
 Uranus -77887-10-09 07:54 J -26726522.32 -26726522.17 -26726521.99 0.0143 0.0122
 Neptune -77879-04-09 23:44 J -26723782.74 -26723782.51 -26723782.23 0.0089 0.0053
 Neptune -77877-03-05 02:08 J -26723087.69 -26723087.41 -26723087.09 0.0089 0.0033
 Saturn -77874-04-21 21:35 J -26721944.72 -26721944.60 -26721944.45 0.0298 0.0258
 Saturn -77860-04-12 15:06 J -26716840.15 -26716839.87 -26716839.57 0.0264 0.0111
 Uranus -77854-09-07 12:13 J -26714501.24 -26714500.99 -26714500.72 0.0139 0.0079
 Uranus -77852-08-10 13:25 J -26713798.24 -26713797.94 -26713797.62 0.0138 0.0015
 Uranus -77850-07-13 19:54 J -26713095.96 -26713095.67 -26713095.38 0.0137 0.0045
 Uranus -77848-06-14 08:52 J -26712394.32 -26712394.13 -26712393.92 0.0136 0.0100
 Saturn -77846-06-09 11:16 J -26711669.25 -26711669.03 -26711668.77 0.0297 0.0147
 Saturn -77832-05-29 17:01 J -26706565.95 -26706565.79 -26706565.59 0.0265 0.0213
 Saturn -77816-07-28 14:37 J -26700662.15 -26700661.89 -26700661.62 0.0297 0.0073
 Uranus -77810-09-24 08:23 J -26698413.35 -26698413.15 -26698412.95 0.0139 0.0101
 Jupiter -77810-10-24 02:08 J -26698383.68 -26698383.41 -26698383.13 0.0526 0.0010
 Uranus -77808-08-25 20:37 J -26697711.91 -26697711.64 -26697711.34 0.0140 0.0044
 Uranus -77806-07-29 03:20 J -26697009.65 -26697009.36 -26697009.05 0.0141 0.0020
 Uranus -77804-07-01 06:13 J -26696306.48 -26696306.24 -26696305.98 0.0142 0.0086
 Saturn -77802-07-19 03:20 J -26695558.66 -26695558.36 -26695558.04 0.0264 0.0045
 Neptune -77797-03-21 17:44 J -26693850.96 -26693850.76 -26693850.49 0.0088 0.0057
 Neptune -77795-02-14 05:30 J -26693156.56 -26693156.27 -26693155.96 0.0088 0.0024
 Jupiter -77792-10-21 08:37 J -26691811.39 -26691811.14 -26691810.88 0.0500 0.0197
 Saturn -77786-09-16 23:44 J -26689654.57 -26689654.51 -26689654.43 0.0298 0.0286
 Saturn -77772-09-07 09:06 J -26684550.37 -26684550.12 -26684549.84 0.0263 0.0141

Uranus	-77771-05-30 12:13 J	-26684285.16	-26684284.99	-26684284.78	0.0140	0.0112
Uranus	-77769-05-03 02:37 J	-26683581.68	-26683581.39	-26683581.09	0.0139	0.0046
Uranus	-77767-04-05 21:35 J	-26682878.90	-26682878.60	-26682878.28	0.0138	0.0017
Uranus	-77765-03-07 22:32 J	-26682176.79	-26682176.56	-26682176.28	0.0137	0.0075
Uranus	-77763-02-07 05:44 J	-26681475.35	-26681475.26	-26681475.14	0.0136	0.0127
Saturn	-77758-11-04 03:20 J	-26679379.60	-26679379.36	-26679379.09	0.0296	0.0116
Jupiter	-77756-07-26 11:44 J	-26678749.14	-26678749.01	-26678748.85	0.0501	0.0422
Saturn	-77744-10-24 00:13 J	-26674276.68	-26674276.49	-26674276.26	0.0265	0.0194
Saturn	-77728-12-23 19:40 J	-26668371.93	-26668371.68	-26668371.42	0.0298	0.0106
Uranus	-77727-06-18 02:08 J	-26668195.49	-26668195.41	-26668195.28	0.0138	0.0128
Uranus	-77725-05-19 04:18 J	-26667494.57	-26667494.32	-26667494.07	0.0139	0.0074
Uranus	-77723-04-20 22:18 J	-26666792.87	-26666792.57	-26666792.27	0.0140	0.0014
Uranus	-77721-03-23 10:32 J	-26666090.33	-26666090.06	-26666089.76	0.0142	0.0051
Uranus	-77719-02-24 17:59 J	-26665386.90	-26665386.75	-26665386.55	0.0143	0.0118
Neptune	-77714-10-18 07:40 J	-26663325.49	-26663325.18	-26663324.86	0.0089	0.0007
Saturn	-77714-12-14 00:28 J	-26663268.79	-26663268.48	-26663268.16	0.0264	0.0012
Neptune	-77712-09-12 10:18 J	-26662630.19	-26662630.07	-26662629.91	0.0089	0.0079
Uranus	-77686-01-24 00:42 J	-26653365.71	-26653365.47	-26653365.19	0.0140	0.0081
Uranus	-77685-12-27 10:04 J	-26652662.39	-26652662.08	-26652661.76	0.0138	0.0015
Saturn	-77683-02-01 17:16 J	-26652261.03	-26652260.78	-26652260.53	0.0264	0.0160
Uranus	-77683-11-29 23:59 J	-26651959.78	-26651959.50	-26651959.20	0.0137	0.0046
Uranus	-77681-10-31 18:42 J	-26651257.90	-26651257.72	-26651257.50	0.0136	0.0102
Saturn	-77669-03-31 05:01 J	-26647089.55	-26647089.29	-26647089.02	0.0297	0.0082
Jupiter	-77655-01-16 00:13 J	-26642050.75	-26642050.49	-26642050.23	0.0527	0.0162
Saturn	-77655-03-20 21:35 J	-26641986.84	-26641986.60	-26641986.35	0.0265	0.0161
Uranus	-77642-02-10 16:32 J	-26637277.00	-26637276.81	-26637276.60	0.0138	0.0102
Uranus	-77640-01-11 21:49 J	-26636575.87	-26636575.59	-26636575.31	0.0140	0.0045
Saturn	-77639-05-20 11:59 J	-26636082.23	-26636082.00	-26636081.75	0.0297	0.0136
Uranus	-77639-12-14 20:37 J	-26635873.93	-26635873.64	-26635873.33	0.0141	0.0017
Jupiter	-77637-01-14 13:40 J	-26635478.21	-26635477.93	-26635477.65	0.0499	0.0031

Uranus -77637-11-16 13:54 J -26635171.16 -26635170.92 -26635170.66 0.0142 0.0081
 Neptune -77632-09-29 02:52 J -26633393.67 -26633393.38 -26633393.06 0.0088 0.0011
 Neptune -77630-08-24 13:11 J -26632699.13 -26632698.95 -26632698.74 0.0088 0.0069
 Saturn -77625-05-09 03:49 J -26630979.65 -26630979.34 -26630979.02 0.0264 0.0008
 Saturn -77611-07-07 00:42 J -26625807.56 -26625807.47 -26625807.35 0.0296 0.0274
 Uranus -77604-10-15 10:18 J -26623150.23 -26623150.07 -26623149.87 0.0141 0.0117
 Uranus -77602-09-19 10:47 J -26622446.35 -26622446.05 -26622445.75 0.0139 0.0049
 Uranus -77600-08-22 15:20 J -26621743.17 -26621742.86 -26621742.55 0.0138 0.0015
 Uranus -77598-07-25 23:16 J -26621040.78 -26621040.53 -26621040.26 0.0137 0.0074
 Uranus -77596-06-26 13:11 J -26620339.05 -26620338.95 -26620338.85 0.0136 0.0128
 Saturn -77595-06-29 09:20 J -26619971.31 -26619971.11 -26619970.88 0.0263 0.0192
 Saturn -77581-08-25 16:18 J -26614800.09 -26614799.82 -26614799.54 0.0297 0.0055
 Saturn -77567-08-14 18:42 J -26609697.97 -26609697.72 -26609697.45 0.0265 0.0142
 Pluto -77562-10-09 08:23 J -26607816.34 -26607816.15 -26607815.93 0.0078 0.0053
 Uranus -77560-11-04 15:35 J -26607058.94 -26607058.85 -26607058.73 0.0137 0.0128
 Uranus -77558-10-06 09:20 J -26606358.34 -26606358.11 -26606357.85 0.0139 0.0075
 Uranus -77556-09-06 20:08 J -26605656.95 -26605656.66 -26605656.36 0.0140 0.0016
 Uranus -77554-08-09 23:30 J -26604954.80 -26604954.52 -26604954.22 0.0141 0.0047
 Uranus -77552-07-12 21:06 J -26604251.78 -26604251.62 -26604251.41 0.0142 0.0114
 Saturn -77551-10-14 19:54 J -26603792.89 -26603792.67 -26603792.44 0.0298 0.0164
 Neptune -77550-06-01 15:06 J -26603563.12 -26603562.87 -26603562.57 0.0089 0.0045
 Neptune -77548-04-26 16:47 J -26602868.07 -26602867.80 -26602867.50 0.0089 0.0041
 Jupiter -77537-07-05 13:40 J -26598780.12 -26598779.93 -26598779.74 0.0528 0.0373
 Saturn -77537-10-03 13:11 J -26598690.25 -26598689.95 -26598689.63 0.0263 0.0039
 Saturn -77523-12-01 03:35 J -26593518.49 -26593518.35 -26593518.20 0.0296 0.0252
 Uranus -77519-06-10 20:08 J -26592230.89 -26592230.66 -26592230.39 0.0140 0.0086
 Jupiter -77519-07-04 22:47 J -26592206.65 -26592206.55 -26592206.45 0.0498 0.0464
 Uranus -77517-05-14 14:52 J -26591527.18 -26591526.88 -26591526.55 0.0139 0.0019
 Uranus -77515-04-17 12:56 J -26590824.24 -26590823.96 -26590823.65 0.0138 0.0044
 Uranus -77513-03-19 15:20 J -26590122.05 -26590121.86 -26590121.64 0.0137 0.0101

Saturn -77507-11-22 20:08 J -26587682.84 -26587682.66 -26587682.45 0.0263 0.0207
 Jupiter -77501-04-11 02:52 J -26585716.55 -26585716.38 -26585716.20 0.0527 0.0401
 Saturn -77492-01-19 08:08 J -26582511.43 -26582511.16 -26582510.88 0.0297 0.0033
 Jupiter -77483-04-09 14:08 J -26579144.16 -26579143.91 -26579143.65 0.0500 0.0185
 Saturn -77478-01-08 20:37 J -26577408.91 -26577408.64 -26577408.36 0.0264 0.0115
 Uranus -77475-06-30 06:56 J -26576140.39 -26576140.21 -26576139.99 0.0138 0.0102
 Uranus -77473-05-31 06:42 J -26575439.49 -26575439.22 -26575438.93 0.0139 0.0046
 Uranus -77471-05-02 22:32 J -26574737.85 -26574737.56 -26574737.26 0.0140 0.0014
 Uranus -77469-04-04 06:28 J -26574035.47 -26574035.23 -26574034.96 0.0141 0.0079
 Neptune -77468-05-14 00:28 J -26573630.74 -26573630.48 -26573630.20 0.0088 0.0046
 Neptune -77466-04-08 11:44 J -26572936.29 -26572936.01 -26572935.72 0.0088 0.0035
 Saturn -77462-03-10 11:30 J -26571504.23 -26571504.02 -26571503.80 0.0298 0.0180
 Saturn -77448-02-26 17:30 J -26566402.07 -26566401.77 -26566401.46 0.0263 0.0052
 Uranus -77436-03-01 23:30 J -26562015.67 -26562015.52 -26562015.36 0.0141 0.0122
 Uranus -77434-02-04 08:37 J -26561311.42 -26561311.14 -26561310.83 0.0140 0.0054
 Saturn -77434-04-26 04:47 J -26561230.46 -26561230.30 -26561230.13 0.0296 0.0236
 Uranus -77432-01-07 21:20 J -26560607.92 -26560607.61 -26560607.29 0.0139 0.0012
 Uranus -77431-12-11 12:42 J -26559905.21 -26559904.97 -26559904.69 0.0138 0.0073
 Uranus -77429-11-12 11:59 J -26559203.11 -26559203.00 -26559202.89 0.0136 0.0127
 Saturn -77418-04-18 12:56 J -26555394.11 -26555393.96 -26555393.81 0.0263 0.0231
 Saturn -77404-06-14 15:20 J -26550223.13 -26550222.86 -26550222.58 0.0298 0.0022
 Uranus -77392-03-24 13:25 J -26545922.02 -26545921.94 -26545921.81 0.0137 0.0128
 Uranus -77390-02-23 02:37 J -26545221.62 -26545221.39 -26545221.13 0.0138 0.0075
 Saturn -77390-06-03 19:40 J -26545120.96 -26545120.68 -26545120.39 0.0264 0.0103
 Uranus -77388-01-24 06:56 J -26544520.50 -26544520.21 -26544519.91 0.0139 0.0017
 Uranus -77387-12-27 02:52 J -26543818.66 -26543818.38 -26543818.08 0.0141 0.0045
 Neptune -77386-01-14 03:49 J -26543800.44 -26543800.34 -26543800.19 0.0089 0.0081
 Uranus -77385-11-28 17:30 J -26543115.94 -26543115.77 -26543115.56 0.0142 0.0111
 Neptune -77385-12-09 02:23 J -26543105.72 -26543105.40 -26543105.08 0.0089 0.0003
 Jupiter -77383-09-30 06:28 J -26542445.49 -26542445.23 -26542444.96 0.0528 0.0097

Neptune -77383-11-04 04:04 J -26542410.34 -26542410.33 -26542410.25 0.0089 0.0088
 Saturn -77374-08-03 03:20 J -26539216.56 -26539216.36 -26539216.14 0.0298 0.0191
 Jupiter -77365-09-28 14:08 J -26535872.16 -26535871.91 -26535871.65 0.0498 0.0208
 Saturn -77360-07-23 04:04 J -26534113.62 -26534113.33 -26534113.02 0.0263 0.0072
 Uranus -77352-10-26 17:44 J -26531095.99 -26531095.76 -26531095.49 0.0141 0.0090
 Uranus -77350-09-30 20:37 J -26530391.95 -26530391.64 -26530391.32 0.0139 0.0022
 Uranus -77348-09-03 01:54 J -26529688.71 -26529688.42 -26529688.11 0.0138 0.0042
 Uranus -77346-08-06 12:42 J -26528986.15 -26528985.97 -26528985.73 0.0137 0.0100
 Saturn -77346-09-19 03:49 J -26528942.50 -26528942.34 -26528942.16 0.0296 0.0232
 Saturn -77332-09-08 03:06 J -26523839.43 -26523839.37 -26523839.27 0.0265 0.0255
 Saturn -77330-09-11 04:18 J -26523106.44 -26523106.32 -26523106.18 0.0262 0.0240
 Jupiter -77329-07-03 23:59 J -26522809.63 -26522809.50 -26522809.34 0.0500 0.0426
 Saturn -77316-11-06 22:04 J -26517935.86 -26517935.58 -26517935.31 0.0297 0.0017
 Pluto -77313-01-17 16:04 J -26517134.11 -26517133.83 -26517133.55 0.0078 0.0001
 Uranus -77308-11-17 03:06 J -26515003.55 -26515003.37 -26515003.16 0.0138 0.0102
 Uranus -77306-10-18 21:06 J -26514302.89 -26514302.62 -26514302.33 0.0139 0.0047
 Neptune -77305-12-26 20:08 J -26513867.76 -26513867.66 -26513867.50 0.0088 0.0080
 Uranus -77304-09-19 05:44 J -26513601.56 -26513601.26 -26513600.96 0.0140 0.0012
 Neptune -77303-11-21 11:44 J -26513173.32 -26513173.01 -26513172.70 0.0088 0.0001
 Uranus -77302-08-22 07:11 J -26512899.44 -26512899.20 -26512898.93 0.0141 0.0077
 Saturn -77302-10-28 01:40 J -26512832.72 -26512832.43 -26512832.14 0.0264 0.0087
 Neptune -77301-10-15 21:49 J -26512478.68 -26512478.59 -26512478.43 0.0088 0.0081
 Saturn -77286-12-26 23:30 J -26506928.72 -26506928.52 -26506928.30 0.0299 0.0195
 Saturn -77272-12-15 19:40 J -26501825.97 -26501825.68 -26501825.37 0.0263 0.0081
 Uranus -77269-07-17 19:54 J -26500880.78 -26500880.67 -26500880.50 0.0141 0.0127
 Uranus -77267-06-22 13:25 J -26500176.24 -26500175.94 -26500175.65 0.0140 0.0057
 Uranus -77265-05-26 08:08 J -26499472.47 -26499472.16 -26499471.84 0.0139 0.0010
 Uranus -77263-04-29 07:40 J -26498769.44 -26498769.18 -26498768.91 0.0138 0.0071
 Uranus -77261-03-31 13:11 J -26498067.04 -26498066.95 -26498066.82 0.0137 0.0128
 Saturn -77257-02-11 04:47 J -26496655.47 -26496655.30 -26496655.12 0.0296 0.0229

Saturn -77243-02-01 07:54 J -26491551.28 -26491551.17 -26491551.05 0.0265 0.0244
 Saturn -77241-02-04 08:08 J -26490818.22 -26490818.16 -26490818.09 0.0262 0.0256
 Jupiter -77229-12-24 13:11 J -26486111.20 -26486110.95 -26486110.69 0.0528 0.0157
 Saturn -77227-04-01 17:16 J -26485648.05 -26485647.78 -26485647.50 0.0298 0.0015
 Uranus -77225-08-11 07:40 J -26484785.26 -26484785.18 -26484785.06 0.0137 0.0128
 Uranus -77223-07-12 15:35 J -26484085.07 -26484084.85 -26484084.58 0.0138 0.0076
 Uranus -77221-06-12 13:40 J -26483384.22 -26483383.93 -26483383.63 0.0139 0.0019
 Neptune -77221-07-23 16:04 J -26483343.12 -26483342.83 -26483342.54 0.0089 0.0034
 Uranus -77219-05-15 03:35 J -26482682.64 -26482682.35 -26482682.06 0.0140 0.0043
 Neptune -77219-06-18 14:23 J -26482648.13 -26482647.90 -26482647.61 0.0089 0.0051
 Uranus -77217-04-16 12:13 J -26481980.19 -26481979.99 -26481979.79 0.0141 0.0108
 Saturn -77213-03-21 20:37 J -26480544.93 -26480544.64 -26480544.34 0.0264 0.0077
 Jupiter -77211-12-24 04:47 J -26479537.57 -26479537.30 -26479537.02 0.0499 0.0052
 Saturn -77197-05-20 03:35 J -26474641.55 -26474641.35 -26474641.15 0.0298 0.0197
 Uranus -77184-03-13 16:04 J -26469961.04 -26469960.83 -26469960.56 0.0141 0.0094
 Saturn -77183-05-11 01:11 J -26469537.74 -26469537.45 -26469537.15 0.0263 0.0095
 Uranus -77182-02-16 01:54 J -26469256.74 -26469256.42 -26469256.11 0.0140 0.0024
 Uranus -77180-01-19 14:37 J -26468553.18 -26468552.89 -26468552.57 0.0139 0.0041
 Uranus -77179-12-23 09:35 J -26467850.31 -26467850.10 -26467849.89 0.0137 0.0100
 Saturn -77169-07-06 03:35 J -26464367.51 -26464367.35 -26464367.15 0.0296 0.0227
 Saturn -77155-06-27 09:20 J -26459263.26 -26459263.11 -26459262.96 0.0265 0.0231
 Uranus -77140-04-05 14:52 J -26453867.06 -26453866.88 -26453866.69 0.0137 0.0104
 Neptune -77139-07-06 09:20 J -26453410.38 -26453410.11 -26453409.80 0.0088 0.0033
 Saturn -77139-08-25 02:37 J -26453360.67 -26453360.39 -26453360.11 0.0297 0.0009
 Uranus -77138-03-07 01:54 J -26453166.69 -26453166.42 -26453166.15 0.0138 0.0050
 Neptune -77137-05-30 23:16 J -26452715.76 -26452715.53 -26452715.24 0.0088 0.0048
 Uranus -77136-02-05 03:20 J -26452465.66 -26452465.36 -26452465.06 0.0139 0.0009
 Uranus -77134-01-07 22:32 J -26451763.80 -26451763.56 -26451763.29 0.0141 0.0073
 Uranus -77133-12-10 12:13 J -26451061.03 -26451060.99 -26451060.91 0.0142 0.0139
 Saturn -77125-08-15 05:44 J -26448256.56 -26448256.26 -26448255.96 0.0264 0.0066

Jupiter -77110-06-15 00:42 J -26442839.67 -26442839.47 -26442839.25 0.0529 0.0315
 Saturn -77109-10-13 11:16 J -26442353.22 -26442353.03 -26442352.82 0.0299 0.0205
 Uranus -77102-12-03 06:28 J -26439746.32 -26439746.23 -26439746.09 0.0142 0.0133
 Uranus -77100-11-07 07:11 J -26439041.48 -26439041.20 -26439040.90 0.0141 0.0061
 Uranus -77098-10-12 11:01 J -26438337.36 -26438337.04 -26438336.72 0.0139 0.0007
 Uranus -77096-09-14 19:25 J -26437633.94 -26437633.69 -26437633.40 0.0138 0.0070
 Saturn -77095-10-04 08:37 J -26437249.42 -26437249.14 -26437248.85 0.0263 0.0109
 Uranus -77094-08-18 08:23 J -26436931.24 -26436931.15 -26436931.02 0.0137 0.0128
 Jupiter -77092-06-14 00:28 J -26436265.69 -26436265.48 -26436265.28 0.0498 0.0342
 Saturn -77081-11-28 21:35 J -26432079.78 -26432079.60 -26432079.40 0.0296 0.0219
 Jupiter -77074-03-21 04:18 J -26429776.46 -26429776.32 -26429776.16 0.0527 0.0436
 Saturn -77067-11-20 21:35 J -26426974.76 -26426974.60 -26426974.43 0.0266 0.0222
 Pluto -77065-04-26 17:44 J -26426451.98 -26426451.76 -26426451.48 0.0077 0.0038
 Uranus -77058-12-29 18:42 J -26423648.77 -26423648.72 -26423648.61 0.0136 0.0131
 Neptune -77057-03-07 08:37 J -26423580.31 -26423580.14 -26423579.91 0.0089 0.0068
 Jupiter -77056-03-19 17:16 J -26423202.99 -26423202.78 -26423202.55 0.0499 0.0311
 Uranus -77056-11-28 20:37 J -26422948.88 -26422948.64 -26422948.41 0.0138 0.0079
 Neptune -77055-01-31 05:59 J -26422885.55 -26422885.25 -26422884.93 0.0089 0.0015
 Uranus -77054-10-30 10:32 J -26422248.34 -26422248.06 -26422247.76 0.0139 0.0023
 Uranus -77052-09-30 17:16 J -26421547.05 -26421546.78 -26421546.48 0.0140 0.0039
 Saturn -77050-01-18 20:08 J -26421071.94 -26421071.66 -26421071.39 0.0297 0.0004
 Uranus -77050-09-02 17:16 J -26420844.96 -26420844.78 -26420844.55 0.0141 0.0103
 Saturn -77036-01-08 22:32 J -26415967.87 -26415967.56 -26415967.26 0.0264 0.0047
 Saturn -77020-03-08 16:32 J -26410064.98 -26410064.81 -26410064.62 0.0298 0.0219
 Uranus -77017-07-28 20:08 J -26408826.87 -26408826.66 -26408826.42 0.0141 0.0101
 Uranus -77015-07-03 15:06 J -26408122.17 -26408121.87 -26408121.54 0.0140 0.0031
 Uranus -77013-06-06 14:23 J -26407418.20 -26407417.90 -26407417.59 0.0139 0.0037
 Uranus -77011-05-10 16:47 J -26406715.00 -26406714.80 -26406714.56 0.0138 0.0099
 Saturn -77006-02-28 05:30 J -26404960.55 -26404960.27 -26404959.99 0.0264 0.0124

77TH MILLENNIUM BCE

This is a list of transits of Mars in the 77th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-76992-04-25 04:32 J	-26399790.51	-26399790.31	-26399790.10	0.0296	0.0200		
Saturn	-76978-04-16 22:18 J	-26394685.75	-26394685.57	-26394685.35	0.0265	0.0201		
Neptune	-76975-02-18 06:28 J	-26393647.40	-26393647.23	-26393646.99	0.0088	0.0068		
Neptune	-76973-01-13 22:18 J	-26392952.86	-26392952.57	-26392952.24	0.0088	0.0015		
Uranus	-76973-08-23 00:42 J	-26392730.64	-26392730.47	-26392730.28	0.0137	0.0107		
Uranus	-76971-07-24 05:01 J	-26392030.55	-26392030.29	-26392030.02	0.0138	0.0053		
Uranus	-76969-06-24 00:28 J	-26391329.77	-26391329.48	-26391329.18	0.0139	0.0006		
Uranus	-76967-05-26 12:28 J	-26390628.22	-26390627.98	-26390627.70	0.0140	0.0068		
Uranus	-76965-04-27 16:18 J	-26389925.89	-26389925.82	-26389925.70	0.0141	0.0134		
Saturn	-76962-06-14 15:20 J	-26388783.14	-26388782.86	-26388782.58	0.0297	0.0023		
Jupiter	-76956-09-08 05:30 J	-26386505.53	-26386505.27	-26386505.00	0.0528	0.0066		
Saturn	-76948-06-04 23:01 J	-26383678.85	-26383678.54	-26383678.23	0.0265	0.0032		
Jupiter	-76938-09-07 19:11 J	-26379931.98	-26379931.70	-26379931.43	0.0498	0.0128		
Uranus	-76932-03-24 07:54 J	-26377907.45	-26377907.17	-26377906.88	0.0141	0.0069		
Saturn	-76932-08-03 09:35 J	-26377775.25	-26377775.10	-26377774.94	0.0298	0.0243		
Uranus	-76930-02-26 22:32 J	-26377202.88	-26377202.56	-26377202.24	0.0140	0.0002		
Uranus	-76928-01-30 15:35 J	-26376499.11	-26376498.85	-26376498.55	0.0139	0.0067		
Uranus	-76926-01-03 12:56 J	-26375796.05	-26375795.96	-26375795.81	0.0138	0.0127		
Saturn	-76918-07-25 15:35 J	-26372671.11	-26372670.85	-26372670.60	0.0263	0.0151		
Saturn	-76904-09-19 12:42 J	-26367501.19	-26367500.97	-26367500.73	0.0295	0.0174		

Neptune -76892-09-14 22:32 J -26363122.85 -26363122.56 -26363122.24 0.0089 0.0020
 Uranus -76890-05-18 13:11 J -26362511.98 -26362511.95 -26362511.87 0.0136 0.0133
 Neptune -76890-08-10 20:08 J -26362427.84 -26362427.66 -26362427.40 0.0089 0.0065
 Saturn -76890-09-11 01:40 J -26362396.65 -26362396.43 -26362396.21 0.0266 0.0184
 Uranus -76888-04-17 09:20 J -26361812.32 -26361812.11 -26361811.86 0.0137 0.0082
 Uranus -76886-03-18 19:11 J -26361111.99 -26361111.70 -26361111.41 0.0138 0.0026
 Uranus -76884-02-16 19:40 J -26360410.97 -26360410.68 -26360410.39 0.0139 0.0035
 Uranus -76882-01-19 10:47 J -26359709.24 -26359709.05 -26359708.82 0.0140 0.0099
 Saturn -76874-11-09 17:16 J -26356493.05 -26356492.78 -26356492.51 0.0297 0.0054
 Saturn -76860-10-30 14:37 J -26351389.20 -26351388.89 -26351388.58 0.0264 0.0004
 Uranus -76850-12-13 17:30 J -26347692.96 -26347692.77 -26347692.55 0.0142 0.0110
 Uranus -76848-11-17 22:32 J -26346987.86 -26346987.56 -26346987.24 0.0141 0.0037
 Uranus -76846-10-23 06:56 J -26346283.52 -26346283.21 -26346282.90 0.0139 0.0032
 Uranus -76844-09-25 18:13 J -26345579.96 -26345579.74 -26345579.50 0.0138 0.0096
 Saturn -76844-12-29 00:13 J -26345485.58 -26345485.49 -26345485.37 0.0298 0.0274
 Saturn -76830-12-19 23:01 J -26340381.77 -26340381.54 -26340381.29 0.0264 0.0171
 Saturn -76815-02-14 17:59 J -26335210.99 -26335210.75 -26335210.49 0.0296 0.0138
 Neptune -76810-08-28 23:01 J -26333189.83 -26333189.54 -26333189.22 0.0088 0.0020
 Neptune -76808-07-23 12:56 J -26332495.15 -26332494.96 -26332494.70 0.0088 0.0062
 Uranus -76805-01-10 19:54 J -26331593.82 -26331593.67 -26331593.48 0.0136 0.0110
 Uranus -76804-12-10 20:23 J -26330893.91 -26330893.65 -26330893.38 0.0137 0.0056
 Uranus -76802-11-11 11:16 J -26330193.32 -26330193.03 -26330192.74 0.0139 0.0002
 Jupiter -76802-12-02 05:59 J -26330172.51 -26330172.25 -26330171.98 0.0528 0.0091
 Saturn -76801-02-05 20:52 J -26330106.86 -26330106.63 -26330106.36 0.0265 0.0152
 Uranus -76800-10-12 15:20 J -26329492.11 -26329491.86 -26329491.58 0.0140 0.0065
 Uranus -76798-09-14 12:13 J -26328790.08 -26328789.99 -26328789.85 0.0141 0.0130
 Saturn -76785-04-05 12:42 J -26324203.23 -26324202.97 -26324202.70 0.0297 0.0088
 Jupiter -76784-11-30 21:49 J -26323598.87 -26323598.59 -26323598.31 0.0498 0.0038
 Saturn -76771-03-26 21:35 J -26319099.91 -26319099.60 -26319099.29 0.0265 0.0019
 Uranus -76765-08-08 17:01 J -26316773.05 -26316772.79 -26316772.50 0.0141 0.0077

Uranus -76763-07-14 16:18 J -26316068.15 -26316067.82 -26316067.50 0.0140 0.0004
 Uranus -76761-06-17 17:30 J -26315364.06 -26315363.77 -26315363.49 0.0139 0.0063
 Uranus -76759-05-21 22:47 J -26314660.66 -26314660.55 -26314660.40 0.0138 0.0125
 Saturn -76741-05-15 18:56 J -26308091.89 -26308091.71 -26308091.50 0.0263 0.0205
 Neptune -76728-04-29 19:11 J -26303359.94 -26303359.70 -26303359.45 0.0089 0.0053
 Saturn -76727-07-12 15:06 J -26302921.13 -26302920.87 -26302920.60 0.0296 0.0104
 Neptune -76726-03-25 13:40 J -26302665.21 -26302664.93 -26302664.62 0.0089 0.0029
 Uranus -76723-10-05 10:47 J -26301375.05 -26301375.05 -26301375.02 0.0136 0.0136
 Uranus -76721-09-04 02:37 J -26300675.59 -26300675.39 -26300675.14 0.0137 0.0085
 Uranus -76719-08-05 08:08 J -26299975.43 -26299975.16 -26299974.86 0.0138 0.0029
 Uranus -76717-07-06 02:23 J -26299274.68 -26299274.40 -26299274.11 0.0139 0.0031
 Uranus -76715-06-07 11:44 J -26298573.21 -26298573.01 -26298572.77 0.0140 0.0095
 Saturn -76713-07-02 01:54 J -26297817.68 -26297817.42 -26297817.15 0.0266 0.0129
 Saturn -76697-08-31 10:32 J -26291913.31 -26291913.06 -26291912.80 0.0297 0.0124
 Jupiter -76683-05-21 23:44 J -26286901.65 -26286901.51 -26286901.37 0.0530 0.0444
 Saturn -76683-08-21 15:06 J -26286810.17 -26286809.87 -26286809.56 0.0264 0.0054
 Uranus -76682-04-30 02:52 J -26286558.55 -26286558.38 -26286558.18 0.0142 0.0117
 Uranus -76680-04-04 15:35 J -26285853.15 -26285852.85 -26285852.52 0.0141 0.0043
 Uranus -76678-03-10 07:11 J -26285148.51 -26285148.20 -26285147.88 0.0140 0.0029
 Uranus -76676-02-11 02:37 J -26284444.61 -26284444.39 -26284444.15 0.0139 0.0094
 Jupiter -76665-05-20 14:08 J -26280328.05 -26280327.91 -26280327.76 0.0497 0.0424
 Saturn -76653-10-09 17:44 J -26275802.90 -26275802.76 -26275802.58 0.0263 0.0225
 Jupiter -76647-02-24 23:59 J -26273838.72 -26273838.50 -26273838.28 0.0528 0.0298
 Neptune -76646-04-12 19:11 J -26273426.93 -26273426.70 -26273426.43 0.0088 0.0053
 Neptune -76644-03-07 13:25 J -26272732.22 -26272731.94 -26272731.63 0.0088 0.0029
 Saturn -76639-12-07 00:56 J -26270631.73 -26270631.46 -26270631.19 0.0296 0.0072
 Uranus -76638-05-30 12:56 J -26270457.11 -26270456.96 -26270456.79 0.0136 0.0113
 Uranus -76636-04-29 10:04 J -26269757.33 -26269757.08 -26269756.81 0.0137 0.0059
 Uranus -76634-03-30 18:42 J -26269057.01 -26269056.72 -26269056.43 0.0138 0.0001
 Uranus -76632-02-28 16:18 J -26268356.07 -26268355.82 -26268355.54 0.0139 0.0061

Uranus -76630-01-31 07:11 J -26267654.32 -26267654.20 -26267654.05 0.0141 0.0125
 Jupiter -76629-02-24 11:01 J -26267265.29 -26267265.04 -26267264.79 0.0498 0.0227
 Saturn -76625-11-26 14:37 J -26265528.17 -26265527.89 -26265527.60 0.0265 0.0097
 Saturn -76608-01-25 16:47 J -26259624.03 -26259623.80 -26259623.55 0.0298 0.0149
 Uranus -76598-12-25 04:18 J -26255638.57 -26255638.32 -26255638.03 0.0142 0.0083
 Uranus -76596-11-29 10:47 J -26254933.37 -26254933.05 -26254932.72 0.0140 0.0008
 Saturn -76594-01-15 08:52 J -26254521.43 -26254521.13 -26254520.83 0.0264 0.0073
 Uranus -76594-11-03 19:54 J -26254228.94 -26254228.67 -26254228.36 0.0139 0.0062
 Uranus -76592-10-07 09:49 J -26253525.20 -26253525.09 -26253524.93 0.0138 0.0125
 Saturn -76580-03-12 20:52 J -26249350.72 -26249350.63 -26249350.52 0.0295 0.0274
 Saturn -76566-03-04 18:28 J -26244245.83 -26244245.73 -26244245.60 0.0266 0.0246
 Neptune -76565-12-12 17:01 J -26243596.84 -26243596.79 -26243596.70 0.0089 0.0087
 Saturn -76564-03-05 23:30 J -26243513.59 -26243513.52 -26243513.44 0.0263 0.0254
 Neptune -76563-11-07 10:18 J -26242902.38 -26242902.07 -26242901.75 0.0089 0.0005
 Neptune -76561-10-02 05:01 J -26242207.40 -26242207.29 -26242207.10 0.0089 0.0078
 Uranus -76553-01-22 15:20 J -26239539.06 -26239538.86 -26239538.63 0.0136 0.0089
 Uranus -76552-12-22 14:37 J -26238839.17 -26238838.89 -26238838.61 0.0138 0.0033
 Saturn -76550-05-02 21:35 J -26238342.87 -26238342.60 -26238342.32 0.0297 0.0053
 Uranus -76550-11-23 01:40 J -26238138.71 -26238138.43 -26238138.14 0.0139 0.0027
 Uranus -76548-10-24 04:18 J -26237437.52 -26237437.32 -26237437.07 0.0140 0.0090
 Saturn -76536-04-22 03:20 J -26233239.65 -26233239.36 -26233239.06 0.0265 0.0078
 Jupiter -76529-08-15 05:44 J -26230567.50 -26230567.26 -26230567.01 0.0530 0.0204
 Saturn -76520-06-20 23:44 J -26227335.73 -26227335.51 -26227335.27 0.0298 0.0169
 Uranus -76515-09-14 02:52 J -26225424.52 -26225424.38 -26225424.20 0.0142 0.0126
 Uranus -76513-08-20 00:28 J -26224718.79 -26224718.48 -26224718.17 0.0141 0.0049
 Uranus -76511-07-26 01:25 J -26224013.76 -26224013.44 -26224013.12 0.0140 0.0024
 Jupiter -76511-08-14 20:23 J -26223993.92 -26223993.65 -26223993.39 0.0497 0.0192
 Uranus -76509-06-29 05:16 J -26223309.50 -26223309.28 -26223309.02 0.0139 0.0092
 Saturn -76506-06-11 07:40 J -26222232.47 -26222232.18 -26222231.89 0.0263 0.0099
 Jupiter -76493-05-20 15:49 J -26217504.92 -26217504.84 -26217504.75 0.0528 0.0498

Saturn -76492-08-06 06:28 J -26217062.35 -26217062.23 -26217062.10 0.0295 0.0262
 Neptune -76483-11-25 15:35 J -26213663.89 -26213663.85 -26213663.73 0.0088 0.0086
 Neptune -76481-10-20 11:44 J -26212969.32 -26212969.01 -26212968.69 0.0088 0.0004
 Neptune -76479-09-15 05:01 J -26212274.43 -26212274.29 -26212274.11 0.0088 0.0076
 Saturn -76478-07-29 02:08 J -26211957.55 -26211957.41 -26211957.24 0.0266 0.0229
 Jupiter -76475-05-20 12:56 J -26210931.08 -26210930.96 -26210930.83 0.0498 0.0448
 Uranus -76471-10-17 02:37 J -26209320.51 -26209320.39 -26209320.23 0.0136 0.0117
 Uranus -76469-09-15 17:30 J -26208621.01 -26208620.77 -26208620.51 0.0137 0.0064
 Uranus -76467-08-16 18:42 J -26207921.00 -26207920.72 -26207920.42 0.0138 0.0007
 Uranus -76465-07-17 10:04 J -26207220.33 -26207220.08 -26207219.79 0.0139 0.0055
 Uranus -76463-06-18 17:16 J -26206518.92 -26206518.78 -26206518.60 0.0140 0.0118
 Saturn -76462-09-25 15:06 J -26206055.15 -26206054.87 -26206054.59 0.0296 0.0040
 Saturn -76448-09-15 18:56 J -26200951.00 -26200950.71 -26200950.40 0.0265 0.0059
 Saturn -76432-11-14 02:37 J -26195047.60 -26195047.39 -26195047.16 0.0298 0.0177
 Uranus -76430-05-10 22:04 J -26194504.81 -26194504.58 -26194504.31 0.0142 0.0092
 Uranus -76428-04-15 14:08 J -26193799.23 -26193798.91 -26193798.57 0.0141 0.0016
 Uranus -76426-03-21 10:04 J -26193094.38 -26193094.08 -26193093.78 0.0140 0.0056
 Uranus -76424-02-22 08:23 J -26192390.28 -26192390.15 -26192389.98 0.0139 0.0122
 Saturn -76418-11-04 05:59 J -26189944.52 -26189944.25 -26189943.96 0.0263 0.0111
 Pluto -76408-09-12 22:47 J -26186343.61 -26186343.55 -26186343.40 0.0066 0.0064
 Saturn -76404-12-29 12:56 J -26184775.09 -26184774.96 -26184774.81 0.0295 0.0256
 Neptune -76399-06-22 06:42 J -26183139.47 -26183139.22 -26183138.92 0.0089 0.0039
 Neptune -76397-05-17 01:11 J -26182444.71 -26182444.45 -26182444.16 0.0089 0.0043
 Saturn -76390-12-22 11:16 J -26179669.19 -26179669.03 -26179668.84 0.0266 0.0216
 Uranus -76386-06-11 05:59 J -26178402.43 -26178402.25 -26178402.02 0.0136 0.0093
 Uranus -76384-05-10 23:16 J -26177702.80 -26177702.53 -26177702.25 0.0137 0.0038
 Uranus -76382-04-11 05:16 J -26177002.57 -26177002.28 -26177001.99 0.0138 0.0022
 Uranus -76380-03-12 00:42 J -26176301.69 -26176301.47 -26176301.22 0.0139 0.0084
 Jupiter -76375-11-09 10:04 J -26174233.35 -26174233.08 -26174232.82 0.0529 0.0034
 Saturn -76373-02-18 09:49 J -26173767.36 -26173767.09 -26173766.81 0.0297 0.0038

Saturn -76359-02-08 15:49 J -26168663.14 -26168662.84 -26168662.54 0.0264 0.0047
 Jupiter -76357-11-08 10:18 J -26167659.35 -26167659.07 -26167658.78 0.0497 0.0068
 Uranus -76347-01-28 10:04 J -26164291.13 -26164291.08 -26164290.95 0.0143 0.0138
 Uranus -76345-01-04 17:16 J -26163585.06 -26163584.78 -26163584.46 0.0142 0.0059
 Uranus -76344-12-10 04:32 J -26162879.63 -26162879.31 -26162878.98 0.0141 0.0017
 Saturn -76343-04-08 05:44 J -26162760.47 -26162760.26 -26162760.03 0.0298 0.0180
 Uranus -76342-11-14 17:44 J -26162174.99 -26162174.76 -26162174.48 0.0140 0.0088
 Saturn -76329-03-29 10:18 J -26157656.33 -26157656.07 -26157655.79 0.0264 0.0124
 Neptune -76317-06-04 08:37 J -26153206.41 -26153206.14 -26153205.83 0.0088 0.0038
 Neptune -76315-04-30 02:52 J -26152511.63 -26152511.38 -26152511.09 0.0088 0.0044
 Saturn -76315-05-24 06:13 J -26152487.37 -26152487.24 -26152487.10 0.0295 0.0256
 Uranus -76303-03-06 02:23 J -26148183.51 -26148183.40 -26148183.26 0.0135 0.0121
 Uranus -76301-02-03 11:30 J -26147484.26 -26147484.02 -26147483.76 0.0136 0.0068
 Saturn -76301-05-16 07:25 J -26147381.37 -26147381.19 -26147380.99 0.0266 0.0205
 Uranus -76299-01-03 08:23 J -26146784.43 -26146784.15 -26146783.86 0.0137 0.0011
 Uranus -76298-12-04 18:13 J -26146084.00 -26146083.74 -26146083.45 0.0139 0.0050
 Uranus -76296-11-04 17:44 J -26145382.91 -26145382.76 -26145382.57 0.0140 0.0113
 Saturn -76285-07-12 11:30 J -26141480.30 -26141480.02 -26141479.74 0.0296 0.0036
 Saturn -76271-07-04 18:28 J -26136375.03 -26136374.73 -26136374.42 0.0265 0.0039
 Uranus -76263-09-24 15:35 J -26133371.06 -26133370.85 -26133370.59 0.0142 0.0103
 Uranus -76261-08-30 17:16 J -26132665.10 -26132664.78 -26132664.45 0.0141 0.0024
 Uranus -76259-08-05 21:49 J -26131959.88 -26131959.59 -26131959.27 0.0140 0.0051
 Uranus -76257-07-10 04:18 J -26131255.47 -26131255.32 -26131255.13 0.0139 0.0119
 Jupiter -76256-04-30 11:16 J -26130961.19 -26130961.03 -26130960.86 0.0530 0.0409
 Saturn -76255-09-01 02:08 J -26130472.62 -26130472.41 -26130472.18 0.0298 0.0182
 Saturn -76241-08-22 07:25 J -26125368.45 -26125368.19 -26125367.92 0.0263 0.0135
 Jupiter -76238-04-30 04:04 J -26124387.54 -26124387.33 -26124387.10 0.0497 0.0317
 Neptune -76235-02-04 05:16 J -26123376.42 -26123376.28 -26123376.06 0.0089 0.0072
 Neptune -76234-12-30 21:06 J -26122681.92 -26122681.62 -26122681.30 0.0089 0.0009
 Saturn -76227-10-16 11:16 J -26120200.16 -26120200.03 -26120199.88 0.0294 0.0255

Jupiter -76220-02-03 07:11 J -26117898.40 -26117898.20 -26117897.98 0.0528 0.0324
 Uranus -76219-10-29 06:13 J -26117265.43 -26117265.24 -26117265.04 0.0136 0.0096
 Uranus -76217-09-27 19:25 J -26116565.96 -26116565.69 -26116565.41 0.0137 0.0041
 Uranus -76215-08-28 20:37 J -26115865.92 -26115865.64 -26115865.35 0.0138 0.0017
 Uranus -76213-07-29 09:49 J -26115165.31 -26115165.09 -26115164.83 0.0139 0.0079
 Saturn -76213-10-09 09:35 J -26115093.28 -26115093.10 -26115092.89 0.0267 0.0200
 Jupiter -76202-02-03 09:06 J -26111324.32 -26111324.12 -26111323.92 0.0498 0.0353
 Saturn -76197-12-05 12:56 J -26109192.24 -26109191.96 -26109191.68 0.0296 0.0033
 Saturn -76183-11-27 20:52 J -26104086.93 -26104086.63 -26104086.33 0.0265 0.0026
 Uranus -76178-05-22 00:42 J -26102450.75 -26102450.47 -26102450.16 0.0142 0.0066
 Uranus -76176-04-26 19:25 J -26101745.01 -26101744.69 -26101744.35 0.0141 0.0012
 Uranus -76174-04-01 15:49 J -26101040.08 -26101039.84 -26101039.56 0.0140 0.0084
 Saturn -76166-01-24 15:20 J -26098185.07 -26098184.86 -26098184.64 0.0298 0.0188
 Pluto -76160-12-20 17:59 J -26095662.90 -26095662.75 -26095662.53 0.0066 0.0057
 Neptune -76153-01-18 02:23 J -26093443.58 -26093443.40 -26093443.20 0.0088 0.0071
 Saturn -76152-01-15 14:52 J -26093080.12 -26093079.88 -26093079.61 0.0264 0.0144
 Neptune -76152-12-13 00:13 J -26092748.79 -26092748.49 -26092748.17 0.0088 0.0011
 Saturn -76138-03-11 23:30 J -26087911.68 -26087911.52 -26087911.37 0.0294 0.0246
 Uranus -76136-07-24 03:20 J -26087046.45 -26087046.36 -26087046.23 0.0135 0.0125
 Uranus -76134-06-23 09:20 J -26086347.34 -26086347.11 -26086346.85 0.0136 0.0071
 Uranus -76132-05-23 03:06 J -26085647.66 -26085647.37 -26085647.09 0.0137 0.0015
 Uranus -76130-04-23 07:40 J -26084947.45 -26084947.18 -26084946.90 0.0138 0.0045
 Uranus -76128-03-24 01:11 J -26084246.62 -26084246.45 -26084246.25 0.0139 0.0109
 Saturn -76124-03-04 19:40 J -26082804.88 -26082804.68 -26082804.45 0.0266 0.0185
 Saturn -76108-04-30 13:54 J -26076904.20 -26076903.92 -26076903.64 0.0296 0.0022
 Jupiter -76102-07-26 01:54 J -26074626.67 -26074626.42 -26074626.16 0.0529 0.0137
 Uranus -76095-02-08 23:44 J -26072236.70 -26072236.51 -26072236.27 0.0143 0.0110
 Saturn -76094-04-23 09:06 J -26071798.43 -26071798.12 -26071797.82 0.0266 0.0017
 Uranus -76093-01-16 08:52 J -26071530.46 -26071530.13 -26071529.81 0.0142 0.0029
 Uranus -76092-12-21 19:40 J -26070824.98 -26070824.68 -26070824.36 0.0141 0.0047

Uranus -76090-11-26 09:20 J -26070120.26 -26070120.11 -26070119.90 0.0139 0.0117
 Jupiter -76084-07-24 11:44 J -26068053.29 -26068053.01 -26068052.72 0.0497 0.0069
 Saturn -76078-06-20 14:52 J -26065896.07 -26065895.88 -26065895.67 0.0298 0.0203
 Neptune -76070-08-14 18:13 J -26062919.02 -26062918.74 -26062918.42 0.0089 0.0025
 Neptune -76068-07-09 10:04 J -26062224.30 -26062224.08 -26062223.82 0.0089 0.0056
 Saturn -76064-06-11 11:16 J -26060791.27 -26060791.03 -26060790.79 0.0264 0.0164
 Uranus -76051-03-18 04:32 J -26056128.47 -26056128.31 -26056128.09 0.0136 0.0101
 Saturn -76050-08-05 14:08 J -26055623.07 -26055622.91 -26055622.72 0.0294 0.0229
 Uranus -76049-02-15 14:23 J -26055429.16 -26055428.90 -26055428.62 0.0137 0.0046
 Uranus -76047-01-15 10:04 J -26054729.36 -26054729.08 -26054728.79 0.0138 0.0013
 Uranus -76046-12-16 17:44 J -26054029.01 -26054028.76 -26054028.52 0.0139 0.0074
 Uranus -76044-11-16 16:18 J -26053327.83 -26053327.82 -26053327.76 0.0140 0.0139
 Saturn -76036-07-29 13:54 J -26050516.15 -26050515.92 -26050515.69 0.0267 0.0173
 Saturn -76020-09-25 02:37 J -26044614.68 -26044614.39 -26044614.11 0.0296 0.0005
 Uranus -76011-10-06 10:18 J -26041316.34 -26041316.07 -26041315.76 0.0143 0.0073
 Uranus -76009-09-11 12:13 J -26040610.32 -26040609.99 -26040609.66 0.0141 0.0007
 Uranus -76007-08-17 17:01 J -26039905.06 -26039904.79 -26039904.52 0.0140 0.0081
 Saturn -76006-09-17 14:37 J -26039509.20 -26039508.89 -26039508.59 0.0265 0.0009

76TH MILLENNIUM BCE

This is a list of transits of Mars in the 76th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-75990-11-14	17:59	J -26033606.91	-26033606.75	-26033606.56	0.0297	0.0228	

Neptune -75988-07-27 17:44 J -26032986.05 -26032985.76 -26032985.44 0.0088 0.0024
 Neptune -75986-06-22 14:23 J -26032291.11 -26032290.90 -26032290.63 0.0088 0.0058
 Saturn -75976-11-05 13:54 J -26028502.13 -26028501.92 -26028501.68 0.0265 0.0182
 Uranus -75969-12-11 00:56 J -26025909.51 -26025909.46 -26025909.35 0.0135 0.0129
 Uranus -75967-11-10 03:49 J -26025210.57 -26025210.34 -26025210.10 0.0136 0.0076
 Uranus -75965-10-09 15:35 J -26024511.13 -26024510.85 -26024510.57 0.0137 0.0020
 Uranus -75963-09-09 13:25 J -26023811.21 -26023810.94 -26023810.65 0.0138 0.0040
 Saturn -75962-12-31 13:11 J -26023333.16 -26023332.95 -26023332.73 0.0294 0.0197
 Uranus -75961-08-10 01:25 J -26023110.62 -26023110.44 -26023110.23 0.0139 0.0103
 Jupiter -75948-10-18 11:30 J -26018293.28 -26018293.02 -26018292.76 0.0529 0.0040
 Saturn -75948-12-24 03:49 J -26018226.59 -26018226.34 -26018226.08 0.0267 0.0143
 Saturn -75931-02-19 16:32 J -26012325.09 -26012324.81 -26012324.53 0.0296 0.0032
 Jupiter -75930-10-17 19:54 J -26011719.95 -26011719.67 -26011719.39 0.0497 0.0116
 Uranus -75928-06-25 21:20 J -26011102.77 -26011102.61 -26011102.40 0.0143 0.0120
 Uranus -75926-06-02 14:08 J -26010396.22 -26010395.91 -26010395.57 0.0142 0.0037
 Uranus -75924-05-08 09:35 J -26009690.40 -26009690.10 -26009689.77 0.0141 0.0042
 Uranus -75922-04-13 09:06 J -26008985.28 -26008985.12 -26008984.91 0.0140 0.0114
 Saturn -75917-02-11 21:35 J -26007219.90 -26007219.60 -26007219.30 0.0266 0.0029
 Pluto -75911-03-29 10:47 J -26004982.21 -26004982.05 -26004981.80 0.0066 0.0055
 Neptune -75906-03-29 17:01 J -26003156.00 -26003155.79 -26003155.53 0.0089 0.0059
 Neptune -75904-02-21 06:56 J -26002461.51 -26002461.21 -26002460.91 0.0089 0.0022
 Saturn -75901-04-10 22:04 J -26001316.70 -26001316.58 -26001316.44 0.0298 0.0263
 Saturn -75887-04-02 10:18 J -25996212.23 -25996212.07 -25996211.87 0.0264 0.0216
 Uranus -75884-08-05 01:11 J -25994991.61 -25994991.45 -25994991.27 0.0135 0.0105
 Uranus -75882-07-05 05:30 J -25994292.53 -25994292.27 -25994292.00 0.0136 0.0051
 Uranus -75880-06-03 18:56 J -25993592.99 -25993592.71 -25993592.42 0.0137 0.0007
 Uranus -75878-05-04 21:20 J -25992892.85 -25992892.61 -25992892.35 0.0138 0.0068
 Uranus -75876-04-04 14:08 J -25992191.99 -25992191.91 -25992191.81 0.0139 0.0133
 Saturn -75873-05-27 11:59 J -25991043.23 -25991043.00 -25991042.76 0.0294 0.0162
 Saturn -75859-05-20 12:56 J -25985937.23 -25985936.96 -25985936.69 0.0267 0.0119

Uranus -75843-02-19 23:44 J -25980182.75 -25980182.51 -25980182.21 0.0143 0.0084
 Saturn -75843-07-17 23:01 J -25980034.81 -25980034.54 -25980034.26 0.0296 0.0074
 Uranus -75841-01-27 11:01 J -25979476.37 -25979476.04 -25979475.71 0.0142 0.0002
 Uranus -75839-01-02 01:54 J -25978770.68 -25978770.42 -25978770.13 0.0141 0.0075
 Jupiter -75829-04-07 12:28 J -25975022.08 -25975021.98 -25975021.87 0.0530 0.0482
 Saturn -75829-07-08 19:40 J -25974929.97 -25974929.68 -25974929.38 0.0265 0.0066
 Neptune -75824-03-11 06:42 J -25973223.43 -25973223.22 -25973222.95 0.0088 0.0059
 Neptune -75822-02-04 05:44 J -25972528.54 -25972528.26 -25972527.93 0.0088 0.0024
 Saturn -75813-09-05 21:35 J -25969026.60 -25969026.60 -25969026.60 0.0298 0.0298
 Jupiter -75811-04-05 21:49 J -25968449.78 -25968449.59 -25968449.39 0.0496 0.0367
 Uranus -75801-04-30 03:49 J -25964772.35 -25964772.34 -25964772.28 0.0134 0.0134
 Saturn -75801-08-26 09:06 J -25964654.15 -25964654.12 -25964654.05 0.0269 0.0265
 Uranus -75799-03-30 02:52 J -25964073.59 -25964073.38 -25964073.14 0.0135 0.0081
 Saturn -75799-08-27 18:28 J -25963922.84 -25963922.73 -25963922.58 0.0264 0.0240
 Uranus -75797-02-27 09:06 J -25963374.39 -25963374.12 -25963373.83 0.0136 0.0026
 Uranus -75795-01-27 02:08 J -25962674.68 -25962674.41 -25962674.12 0.0137 0.0035
 Uranus -75794-12-28 08:52 J -25961974.32 -25961974.13 -25961973.91 0.0138 0.0098
 Jupiter -75793-01-12 01:25 J -25961959.67 -25961959.44 -25961959.20 0.0529 0.0231
 Saturn -75785-10-22 12:56 J -25958753.21 -25958752.96 -25958752.69 0.0294 0.0121
 Jupiter -75775-01-09 23:44 J -25955386.73 -25955386.51 -25955386.26 0.0497 0.0287
 Saturn -75771-10-15 08:52 J -25953647.41 -25953647.13 -25953646.84 0.0266 0.0084
 Uranus -75761-11-09 04:18 J -25949969.43 -25949969.32 -25949969.17 0.0144 0.0132
 Uranus -75759-10-17 04:47 J -25949262.60 -25949262.30 -25949261.97 0.0143 0.0048
 Uranus -75757-09-22 10:32 J -25948556.37 -25948556.06 -25948555.72 0.0142 0.0034
 Uranus -75755-08-28 20:23 J -25947850.84 -25947850.65 -25947850.43 0.0140 0.0109
 Saturn -75755-12-12 19:25 J -25947744.94 -25947744.69 -25947744.42 0.0297 0.0107
 Neptune -75741-10-06 02:37 J -25942698.68 -25942698.39 -25942698.07 0.0089 0.0014
 Saturn -75741-12-02 23:16 J -25942640.81 -25942640.53 -25942640.24 0.0265 0.0090
 Neptune -75739-08-31 17:01 J -25942003.97 -25942003.79 -25942003.57 0.0089 0.0067
 Uranus -75717-12-23 07:40 J -25933854.33 -25933854.18 -25933854.01 0.0135 0.0110

Uranus -75715-11-22 07:40 J -25933155.43 -25933155.18 -25933154.92 0.0136 0.0056
 Uranus -75713-10-21 17:30 J -25932456.06 -25932455.77 -25932455.49 0.0137 0.0002
 Saturn -75712-01-21 02:08 J -25932364.55 -25932364.41 -25932364.26 0.0268 0.0231
 Uranus -75711-09-21 15:20 J -25931756.10 -25931755.86 -25931755.59 0.0138 0.0064
 Uranus -75709-08-22 01:11 J -25931055.54 -25931055.45 -25931055.32 0.0139 0.0128
 Saturn -75696-03-19 00:13 J -25926463.75 -25926463.49 -25926463.21 0.0295 0.0093
 Saturn -75682-03-11 07:54 J -25921358.46 -25921358.17 -25921357.87 0.0266 0.0060
 Uranus -75676-07-06 18:56 J -25919048.95 -25919048.71 -25919048.44 0.0143 0.0095
 Jupiter -75675-07-02 08:08 J -25918688.38 -25918688.16 -25918687.94 0.0530 0.0276
 Uranus -75674-06-13 14:52 J -25918342.21 -25918341.88 -25918341.55 0.0142 0.0010
 Uranus -75672-05-19 14:37 J -25917636.17 -25917635.89 -25917635.60 0.0141 0.0069
 Saturn -75666-05-08 20:23 J -25915455.89 -25915455.65 -25915455.39 0.0297 0.0139
 Pluto -75663-07-05 21:20 J -25914301.67 -25914301.61 -25914301.52 0.0066 0.0065
 Neptune -75659-09-18 20:08 J -25912765.97 -25912765.66 -25912765.34 0.0088 0.0012
 Jupiter -75657-06-29 14:08 J -25912116.18 -25912115.91 -25912115.63 0.0496 0.0166
 Neptune -75657-08-13 17:16 J -25912070.94 -25912070.78 -25912070.54 0.0088 0.0069
 Saturn -75652-04-29 06:56 J -25910351.47 -25910351.21 -25910350.93 0.0265 0.0121
 Jupiter -75639-04-06 07:11 J -25905626.36 -25905626.20 -25905626.02 0.0529 0.0397
 Uranus -75632-08-17 09:35 J -25902936.31 -25902936.10 -25902935.88 0.0135 0.0085
 Uranus -75630-07-17 12:28 J -25902237.25 -25902236.98 -25902236.70 0.0136 0.0029
 Uranus -75628-06-16 02:52 J -25901537.65 -25901537.38 -25901537.10 0.0137 0.0031
 Uranus -75626-05-17 04:47 J -25900837.51 -25900837.30 -25900837.09 0.0138 0.0094
 Saturn -75624-06-16 19:11 J -25900075.88 -25900075.70 -25900075.51 0.0268 0.0210
 Jupiter -75621-04-04 13:11 J -25899053.01 -25899052.95 -25899052.87 0.0497 0.0479
 Saturn -75608-08-12 09:35 J -25894175.37 -25894175.10 -25894174.82 0.0295 0.0070
 Saturn -75594-08-05 08:23 J -25889069.45 -25889069.15 -25889068.85 0.0266 0.0035
 Uranus -75593-03-26 05:44 J -25888835.28 -25888835.26 -25888835.17 0.0144 0.0143
 Uranus -75591-03-03 14:08 J -25888128.22 -25888127.91 -25888127.60 0.0143 0.0056
 Uranus -75589-02-08 03:35 J -25887421.67 -25887421.35 -25887421.01 0.0142 0.0028
 Uranus -75587-01-13 20:23 J -25886715.85 -25886715.65 -25886715.42 0.0141 0.0106

Saturn -75578-10-02 10:18 J -25883167.30 -25883167.07 -25883166.82 0.0297 0.0154
 Neptune -75577-05-20 23:01 J -25882935.79 -25882935.54 -25882935.27 0.0089 0.0047
 Neptune -75575-04-15 10:47 J -25882241.32 -25882241.05 -25882240.75 0.0089 0.0032
 Saturn -75564-09-22 13:40 J -25878063.18 -25878062.93 -25878062.66 0.0264 0.0138
 Saturn -75550-11-16 05:16 J -25872895.33 -25872895.28 -25872895.20 0.0293 0.0285
 Uranus -75549-05-12 16:18 J -25872716.94 -25872716.82 -25872716.65 0.0134 0.0115
 Uranus -75547-04-11 13:54 J -25872018.16 -25872017.92 -25872017.66 0.0135 0.0060
 Uranus -75545-03-10 21:35 J -25871318.89 -25871318.60 -25871318.32 0.0136 0.0002
 Uranus -75543-02-08 14:08 J -25870619.15 -25870618.91 -25870618.63 0.0137 0.0061
 Uranus -75541-01-09 18:13 J -25869918.84 -25869918.74 -25869918.59 0.0139 0.0125
 Saturn -75536-11-10 11:44 J -25867787.21 -25867787.01 -25867786.80 0.0268 0.0192
 Jupiter -75521-09-25 03:49 J -25862354.60 -25862354.34 -25862354.08 0.0530 0.0069
 Saturn -75519-01-05 11:01 J -25861887.31 -25861887.04 -25861886.75 0.0295 0.0063
 Uranus -75509-11-21 04:32 J -25857914.53 -25857914.31 -25857914.05 0.0144 0.0103
 Uranus -75507-10-29 07:40 J -25857207.51 -25857207.18 -25857206.84 0.0143 0.0016
 Saturn -75506-12-29 10:32 J -25856781.36 -25856781.06 -25856780.75 0.0266 0.0021
 Uranus -75505-10-04 14:23 J -25856501.18 -25856500.90 -25856500.59 0.0141 0.0067
 Jupiter -75503-09-23 21:06 J -25855781.91 -25855781.62 -25855781.34 0.0496 0.0078
 Neptune -75495-05-03 03:49 J -25853003.60 -25853003.34 -25853003.06 0.0088 0.0049
 Neptune -75493-03-28 05:01 J -25852308.57 -25852308.29 -25852307.98 0.0088 0.0033
 Saturn -75489-02-24 19:11 J -25850879.93 -25850879.70 -25850879.47 0.0297 0.0162
 Saturn -75475-02-15 23:16 J -25845774.77 -25845774.53 -25845774.27 0.0264 0.0153
 Uranus -75464-01-04 16:04 J -25841799.03 -25841798.83 -25841798.61 0.0135 0.0090
 Uranus -75463-12-04 16:18 J -25841100.08 -25841099.82 -25841099.53 0.0136 0.0034
 Saturn -75461-04-09 23:16 J -25840607.59 -25840607.53 -25840607.45 0.0293 0.0283
 Uranus -75461-11-03 02:08 J -25840400.69 -25840400.41 -25840400.13 0.0137 0.0027
 Uranus -75459-10-03 21:06 J -25839700.82 -25839700.62 -25839700.38 0.0138 0.0090
 Saturn -75447-04-05 10:47 J -25835499.25 -25835499.05 -25835498.82 0.0267 0.0180
 Saturn -75431-05-30 12:42 J -25829600.24 -25829599.97 -25829599.68 0.0295 0.0060
 Uranus -75424-07-19 01:25 J -25826993.74 -25826993.44 -25826993.13 0.0144 0.0063

Uranus -75422-06-25 22:47 J -25826286.88 -25826286.55 -25826286.22 0.0142 0.0024
 Uranus -75420-05-31 23:01 J -25825580.74 -25825580.54 -25825580.29 0.0141 0.0105
 Saturn -75417-05-23 16:04 J -25824493.13 -25824492.83 -25824492.53 0.0266 0.0010
 Neptune -75413-01-03 20:37 J -25823172.75 -25823172.64 -25823172.51 0.0089 0.0081
 Neptune -75412-11-28 05:44 J -25822478.56 -25822478.26 -25822477.94 0.0089 0.0004
 Neptune -75410-10-23 17:30 J -25821783.90 -25821783.77 -25821783.59 0.0089 0.0076
 Jupiter -75402-03-17 12:13 J -25819082.07 -25819081.99 -25819081.90 0.0531 0.0497
 Saturn -75401-07-19 10:32 J -25818592.28 -25818592.06 -25818591.81 0.0297 0.0163
 Saturn -75387-07-11 20:08 J -25813486.89 -25813486.66 -25813486.41 0.0264 0.0164
 Jupiter -75384-03-14 07:11 J -25812510.43 -25812510.20 -25812509.98 0.0496 0.0311
 Uranus -75382-09-30 22:32 J -25811579.66 -25811579.56 -25811579.41 0.0134 0.0119
 Uranus -75380-08-29 17:16 J -25810881.02 -25810880.78 -25810880.53 0.0135 0.0064
 Uranus -75378-07-29 19:54 J -25810181.95 -25810181.67 -25810181.39 0.0136 0.0006
 Uranus -75376-06-28 06:42 J -25809482.48 -25809482.22 -25809481.96 0.0137 0.0055
 Uranus -75374-05-29 05:59 J -25808782.38 -25808782.25 -25808782.09 0.0138 0.0119
 Saturn -75373-09-01 22:32 J -25808320.63 -25808320.56 -25808320.49 0.0292 0.0284
 Jupiter -75367-12-21 00:13 J -25806019.73 -25806019.49 -25806019.25 0.0529 0.0216
 Saturn -75359-08-29 13:25 J -25803211.17 -25803210.94 -25803210.72 0.0268 0.0175
 Jupiter -75349-12-18 23:16 J -25799446.72 -25799446.53 -25799446.34 0.0497 0.0377
 Saturn -75343-10-23 05:16 J -25797312.55 -25797312.28 -25797311.99 0.0295 0.0061
 Uranus -75341-04-07 00:56 J -25796780.64 -25796780.46 -25796780.22 0.0144 0.0115
 Uranus -75339-03-15 12:28 J -25796073.30 -25796072.98 -25796072.64 0.0143 0.0024
 Uranus -75337-02-20 04:18 J -25795366.61 -25795366.32 -25795366.01 0.0142 0.0061
 Uranus -75335-01-25 23:59 J -25794660.51 -25794660.50 -25794660.44 0.0141 0.0140
 Neptune -75332-12-15 08:08 J -25793241.22 -25793241.16 -25793241.06 0.0088 0.0086
 Neptune -75330-11-10 11:44 J -25792546.33 -25792546.01 -25792545.68 0.0088 0.0005
 Saturn -75329-10-16 14:08 J -25792205.21 -25792204.91 -25792204.61 0.0266 0.0002
 Neptune -75328-10-05 12:42 J -25791851.12 -25791850.97 -25791850.80 0.0088 0.0076
 Saturn -75313-12-11 13:25 J -25786305.16 -25786304.94 -25786304.69 0.0297 0.0164
 Saturn -75299-12-04 23:44 J -25781198.74 -25781198.51 -25781198.27 0.0265 0.0171

Uranus -75297-05-24 22:18 J -25780661.75 -25780661.57 -25780661.35 0.0134 0.0095
 Uranus -75295-04-23 19:25 J -25779962.95 -25779962.69 -25779962.42 0.0135 0.0038
 Uranus -75293-03-22 23:16 J -25779263.81 -25779263.53 -25779263.25 0.0136 0.0021
 Uranus -75291-02-20 12:56 J -25778564.17 -25778563.96 -25778563.72 0.0137 0.0084
 Saturn -75284-01-25 19:54 J -25776032.73 -25776032.67 -25776032.58 0.0292 0.0283
 Saturn -75270-01-22 15:35 J -25770923.08 -25770922.85 -25770922.61 0.0268 0.0163
 Uranus -75257-12-02 13:40 J -25765860.19 -25765859.93 -25765859.62 0.0144 0.0076
 Uranus -75255-11-09 20:23 J -25765152.98 -25765152.65 -25765152.31 0.0143 0.0014
 Saturn -75254-03-17 15:49 J -25765025.12 -25765024.84 -25765024.56 0.0294 0.0057
 Uranus -75253-10-16 07:25 J -25764446.42 -25764446.19 -25764445.94 0.0142 0.0098
 Jupiter -75248-06-11 08:52 J -25762747.36 -25762747.13 -25762746.89 0.0530 0.0211
 Neptune -75248-07-12 23:59 J -25762715.76 -25762715.50 -25762715.21 0.0089 0.0039
 Neptune -75246-06-07 10:47 J -25762021.31 -25762021.05 -25762020.76 0.0089 0.0039
 Saturn -75240-03-11 18:42 J -25759917.02 -25759916.72 -25759916.42 0.0267 0.0007
 Jupiter -75230-06-09 00:56 J -25756175.75 -25756175.46 -25756175.17 0.0497 0.0033
 Saturn -75224-05-06 20:52 J -25754016.85 -25754016.63 -25754016.39 0.0297 0.0170
 Uranus -75214-02-18 12:56 J -25750442.05 -25750441.96 -25750441.85 0.0134 0.0124
 Uranus -75212-01-17 04:18 J -25749743.54 -25749743.32 -25749743.06 0.0134 0.0069
 Jupiter -75212-03-16 11:16 J -25749685.14 -25749685.03 -25749684.91 0.0529 0.0467
 Uranus -75211-12-17 01:54 J -25749044.70 -25749044.42 -25749044.14 0.0135 0.0011
 Saturn -75210-04-30 07:25 J -25748910.39 -25748910.19 -25748909.96 0.0265 0.0187
 Uranus -75209-11-15 08:23 J -25748345.40 -25748345.15 -25748344.88 0.0136 0.0051
 Uranus -75207-10-16 02:52 J -25747645.53 -25747645.38 -25747645.21 0.0138 0.0114
 Saturn -75196-06-20 17:44 J -25743744.85 -25743744.76 -25743744.66 0.0292 0.0274
 Saturn -75182-06-17 23:01 J -25738634.78 -25738634.54 -25738634.29 0.0269 0.0156
 Uranus -75174-08-22 11:59 J -25735647.15 -25735647.00 -25735646.84 0.0145 0.0128
 Uranus -75172-07-30 06:42 J -25734939.54 -25734939.22 -25734938.89 0.0144 0.0036
 Uranus -75170-07-07 07:54 J -25734232.47 -25734232.17 -25734231.85 0.0143 0.0053
 Uranus -75168-06-12 13:25 J -25733526.04 -25733525.94 -25733525.84 0.0141 0.0135
 Neptune -75166-06-24 15:06 J -25732784.13 -25732783.87 -25732783.56 0.0088 0.0043

Saturn -75166-08-11 11:59 J -25732736.28 -25732736.00 -25732735.72 0.0294 0.0042
 Neptune -75164-05-19 17:30 J -25732089.04 -25732088.77 -25732088.46 0.0088 0.0039
 Saturn -75152-08-05 10:18 J -25727628.37 -25727628.07 -25727627.77 0.0266 0.0026
 Saturn -75136-09-30 08:08 J -25721728.38 -25721728.16 -25721727.94 0.0296 0.0186
 Uranus -75130-10-13 16:47 J -25719523.97 -25719523.80 -25719523.60 0.0134 0.0099
 Uranus -75128-09-11 09:06 J -25718825.37 -25718825.12 -25718824.84 0.0135 0.0043
 Uranus -75126-08-11 09:35 J -25718126.38 -25718126.10 -25718125.82 0.0136 0.0018
 Uranus -75124-07-10 19:54 J -25717426.88 -25717426.67 -25717426.42 0.0137 0.0080
 Saturn -75122-09-23 22:32 J -25716621.74 -25716621.56 -25716621.34 0.0266 0.0199
 Jupiter -75112-11-26 06:42 J -25712905.25 -25712905.22 -25712905.16 0.0496 0.0490
 Saturn -75108-11-15 02:08 J -25711455.55 -25711455.41 -25711455.25 0.0292 0.0250
 Jupiter -75094-09-05 05:16 J -25706413.54 -25706413.28 -25706413.03 0.0530 0.0012
 Saturn -75094-11-11 22:32 J -25706345.81 -25706345.56 -25706345.30 0.0269 0.0133
 Uranus -75089-04-18 15:20 J -25704726.12 -25704725.86 -25704725.57 0.0144 0.0087
 Uranus -75087-03-27 05:30 J -25704018.61 -25704018.27 -25704017.93 0.0143 0.0006
 Uranus -75085-03-03 00:28 J -25703311.73 -25703311.48 -25703311.22 0.0142 0.0093
 Neptune -75084-02-24 19:11 J -25702952.85 -25702952.70 -25702952.52 0.0089 0.0074
 Neptune -75082-01-20 03:35 J -25702258.66 -25702258.35 -25702258.05 0.0089 0.0003
 Neptune -75081-12-14 14:23 J -25701564.01 -25701563.90 -25701563.76 0.0089 0.0081
 Pluto -75079-07-03 10:04 J -25700998.14 -25700998.08 -25700997.94 0.0077 0.0073
 Saturn -75077-01-05 11:59 J -25700447.28 -25700447.00 -25700446.71 0.0294 0.0020
 Jupiter -75076-09-01 19:40 J -25699841.95 -25699841.68 -25699841.41 0.0497 0.0181
 Saturn -75064-12-30 06:28 J -25695339.52 -25695339.23 -25695338.93 0.0267 0.0041
 Saturn -75047-02-25 01:40 J -25689438.61 -25689438.43 -25689438.22 0.0296 0.0217
 Uranus -75047-07-09 10:18 J -25689304.13 -25689304.07 -25689303.98 0.0133 0.0128
 Uranus -75045-06-06 22:32 J -25688605.78 -25688605.56 -25688605.32 0.0134 0.0073
 Uranus -75043-05-06 17:30 J -25687907.05 -25687906.77 -25687906.49 0.0135 0.0014
 Uranus -75041-04-04 22:04 J -25687207.84 -25687207.58 -25687207.31 0.0136 0.0048
 Uranus -75039-03-05 11:59 J -25686508.16 -25686508.00 -25686507.83 0.0137 0.0111
 Saturn -75033-02-18 08:08 J -25684332.31 -25684332.16 -25684332.00 0.0265 0.0227

Saturn	-75019-04-11 15:35 J	-25679166.03	-25679165.85	-25679165.65	0.0292	0.0221
Uranus	-75006-01-06 21:20 J	-25674512.70	-25674512.61	-25674512.49	0.0145	0.0138
Saturn	-75005-04-07 00:13 J	-25674056.75	-25674056.49	-25674056.21	0.0269	0.0114
Uranus	-75005-12-14 22:32 J	-25673804.89	-25673804.56	-25673804.24	0.0144	0.0044
Uranus	-75003-11-22 05:59 J	-25673097.55	-25673097.25	-25673096.92	0.0143	0.0048
Neptune	-75002-02-05 13:25 J	-25673022.03	-25673021.94	-25673021.78	0.0088	0.0082
Uranus	-75001-10-28 17:30 J	-25672390.86	-25672390.77	-25672390.62	0.0142	0.0133
Neptune	-75001-12-31 19:54 J	-25672326.99	-25672326.67	-25672326.35	0.0088	0.0000

75TH MILLENNIUM BCE

This is a list of transits of Mars in the 75th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-74999-11-26 20:23 J	-25671631.74	-25671631.65	-25671631.48	0.0088	0.0081		
Saturn	-74989-06-01 15:06 J	-25668157.15	-25668156.87	-25668156.58	0.0294	0.0020		
Jupiter	-74975-02-23 17:16 J	-25663141.85	-25663141.78	-25663141.70	0.0531	0.0504		
Saturn	-74975-05-26 22:18 J	-25663049.85	-25663049.57	-25663049.27	0.0267	0.0075		
Uranus	-74962-03-03 14:23 J	-25658386.07	-25658385.90	-25658385.71	0.0134	0.0103		
Uranus	-74960-01-30 03:49 J	-25657687.60	-25657687.34	-25657687.07	0.0135	0.0046		
Saturn	-74959-07-22 23:16 J	-25657148.67	-25657148.53	-25657148.37	0.0296	0.0251		
Uranus	-74959-12-30 01:25 J	-25656988.71	-25656988.44	-25656988.15	0.0135	0.0015		
Jupiter	-74957-02-19 11:59 J	-25656572.22	-25656572.00	-25656571.76	0.0496	0.0310		
Uranus	-74957-11-28 07:40 J	-25656289.40	-25656289.18	-25656288.93	0.0137	0.0077		
Saturn	-74947-07-15 03:06 J	-25652773.44	-25652773.37	-25652773.30	0.0271	0.0262		

Saturn -74945-07-14 15:20 J -25652042.93 -25652042.86 -25652042.74 0.0265 0.0252
 Jupiter -74940-11-28 21:35 J -25650079.84 -25650079.60 -25650079.36 0.0529 0.0184
 Saturn -74931-09-06 21:35 J -25646875.82 -25646875.60 -25646875.36 0.0292 0.0177
 Uranus -74922-09-04 07:25 J -25643591.45 -25643591.19 -25643590.93 0.0145 0.0095
 Jupiter -74922-11-25 21:06 J -25643508.83 -25643508.62 -25643508.42 0.0497 0.0350
 Uranus -74920-08-12 03:20 J -25642883.70 -25642883.36 -25642883.02 0.0144 0.0002
 Neptune -74919-09-03 20:08 J -25642495.92 -25642495.66 -25642495.36 0.0089 0.0034
 Uranus -74918-07-20 04:47 J -25642176.54 -25642176.30 -25642176.02 0.0143 0.0090
 Neptune -74917-07-29 04:18 J -25641801.57 -25641801.32 -25641801.03 0.0089 0.0044
 Saturn -74917-09-01 20:52 J -25641766.91 -25641766.63 -25641766.35 0.0268 0.0077
 Saturn -74901-10-27 17:01 J -25635867.07 -25635866.79 -25635866.51 0.0295 0.0057
 Saturn -74887-10-21 07:54 J -25630760.45 -25630760.17 -25630759.89 0.0267 0.0101
 Uranus -74880-11-27 07:54 J -25628166.18 -25628166.17 -25628166.12 0.0133 0.0132
 Uranus -74878-10-26 16:47 J -25627468.00 -25627467.80 -25627467.55 0.0134 0.0077
 Uranus -74876-09-24 09:35 J -25626769.37 -25626769.10 -25626768.81 0.0135 0.0018
 Uranus -74874-08-24 09:49 J -25626070.35 -25626070.09 -25626069.82 0.0136 0.0043
 Uranus -74872-07-23 17:59 J -25625370.91 -25625370.75 -25625370.56 0.0137 0.0107
 Saturn -74871-12-18 02:23 J -25624858.42 -25624858.40 -25624858.35 0.0297 0.0294
 Saturn -74859-12-10 01:40 J -25620483.57 -25620483.43 -25620483.25 0.0270 0.0227
 Saturn -74842-02-01 21:06 J -25614585.88 -25614585.62 -25614585.37 0.0293 0.0142
 Uranus -74837-05-01 13:25 J -25612670.25 -25612669.94 -25612669.62 0.0145 0.0052
 Neptune -74837-08-14 17:44 J -25612565.02 -25612564.76 -25612564.44 0.0088 0.0040
 Uranus -74835-04-09 03:49 J -25611962.66 -25611962.34 -25611962.01 0.0143 0.0043
 Neptune -74835-07-10 23:01 J -25611869.80 -25611869.54 -25611869.23 0.0088 0.0042
 Uranus -74833-03-15 22:04 J -25611255.68 -25611255.58 -25611255.41 0.0142 0.0130
 Pluto -74831-10-10 20:37 J -25610316.83 -25610316.64 -25610316.41 0.0078 0.0052
 Saturn -74828-01-27 06:28 J -25609477.52 -25609477.23 -25609476.93 0.0268 0.0048
 Jupiter -74821-05-19 07:40 J -25606808.38 -25606808.18 -25606807.97 0.0531 0.0322
 Saturn -74812-03-24 10:47 J -25603577.32 -25603577.05 -25603576.78 0.0295 0.0098
 Jupiter -74803-05-14 17:01 J -25600239.07 -25600238.79 -25600238.50 0.0496 0.0133

Saturn -74798-03-18 03:35 J -25598470.60 -25598470.35 -25598470.09 0.0266 0.0138
 Uranus -74795-07-22 08:23 J -25597248.31 -25597248.15 -25597247.98 0.0133 0.0108
 Uranus -74793-06-19 19:40 J -25596549.94 -25596549.68 -25596549.42 0.0134 0.0050
 Uranus -74791-05-19 13:40 J -25595851.21 -25595850.93 -25595850.65 0.0135 0.0009
 Uranus -74789-04-17 14:52 J -25595152.10 -25595151.88 -25595151.62 0.0136 0.0072
 Uranus -74787-03-18 02:37 J -25594452.40 -25594452.39 -25594452.36 0.0137 0.0137
 Jupiter -74785-02-21 20:37 J -25593746.84 -25593746.64 -25593746.43 0.0530 0.0324
 Saturn -74770-05-06 08:37 J -25588194.32 -25588194.14 -25588193.93 0.0270 0.0198
 Neptune -74755-04-18 15:35 J -25582733.03 -25582732.85 -25582732.66 0.0089 0.0069
 Uranus -74754-01-19 03:49 J -25582457.54 -25582457.34 -25582457.09 0.0145 0.0110
 Saturn -74754-06-29 02:37 J -25582296.65 -25582296.39 -25582296.11 0.0293 0.0107
 Neptune -74753-03-12 21:06 J -25582038.92 -25582038.62 -25582038.31 0.0089 0.0007
 Uranus -74753-12-27 07:40 J -25581749.51 -25581749.18 -25581748.83 0.0144 0.0012
 Neptune -74751-02-05 04:47 J -25581344.37 -25581344.30 -25581344.18 0.0089 0.0084
 Uranus -74751-12-04 17:01 J -25581042.05 -25581041.79 -25581041.50 0.0143 0.0082
 Saturn -74740-06-23 21:06 J -25577187.91 -25577187.62 -25577187.32 0.0268 0.0017
 Saturn -74724-08-18 17:01 J -25571288.05 -25571287.79 -25571287.53 0.0295 0.0124
 Uranus -74710-03-16 13:11 J -25566330.16 -25566329.95 -25566329.72 0.0133 0.0082
 Saturn -74710-08-12 01:40 J -25566181.66 -25566181.43 -25566181.18 0.0266 0.0162
 Uranus -74708-02-12 02:23 J -25565631.67 -25565631.40 -25565631.12 0.0134 0.0024
 Uranus -74706-01-11 21:20 J -25564932.87 -25564932.61 -25564932.33 0.0135 0.0038
 Uranus -74705-12-11 00:42 J -25564233.63 -25564233.47 -25564233.26 0.0136 0.0103
 Saturn -74682-09-30 14:52 J -25555905.09 -25555904.88 -25555904.64 0.0270 0.0173
 Neptune -74673-03-28 11:59 J -25552803.14 -25552803.00 -25552802.85 0.0088 0.0079
 Neptune -74671-02-21 19:54 J -25552108.00 -25552107.67 -25552107.35 0.0088 0.0003
 Uranus -74670-09-16 03:06 J -25551536.66 -25551536.37 -25551536.05 0.0145 0.0067
 Neptune -74669-01-17 23:59 J -25551412.59 -25551412.50 -25551412.36 0.0088 0.0083
 Uranus -74668-08-24 01:25 J -25550828.77 -25550828.44 -25550828.11 0.0144 0.0030
 Jupiter -74667-08-12 17:30 J -25550475.01 -25550474.77 -25550474.52 0.0531 0.0149
 Uranus -74666-08-01 05:59 J -25550121.42 -25550121.25 -25550121.07 0.0143 0.0121

Saturn -74666-11-22 20:37 J -25550007.91 -25550007.64 -25550007.36 0.0293 0.0089
 Saturn -74652-11-17 11:16 J -25544899.32 -25544899.03 -25544898.73 0.0267 0.0006
 Jupiter -74649-08-07 13:25 J -25543905.23 -25543904.94 -25543904.65 0.0496 0.0085
 Saturn -74635-01-11 17:44 J -25539000.00 -25538999.76 -25538999.50 0.0295 0.0142
 Uranus -74628-12-10 09:49 J -25536110.21 -25536110.09 -25536109.92 0.0133 0.0113
 Uranus -74626-11-08 19:11 J -25535411.93 -25535411.70 -25535411.43 0.0134 0.0056
 Uranus -74624-10-07 09:49 J -25534713.37 -25534713.09 -25534712.81 0.0134 0.0005
 Uranus -74622-09-06 06:56 J -25534014.44 -25534014.21 -25534013.95 0.0135 0.0068
 Saturn -74621-01-05 21:06 J -25533892.83 -25533892.62 -25533892.39 0.0266 0.0183
 Uranus -74620-08-05 14:52 J -25533314.92 -25533314.88 -25533314.79 0.0137 0.0133
 Saturn -74593-02-23 22:18 J -25523616.80 -25523616.57 -25523616.32 0.0269 0.0156
 Neptune -74590-10-26 13:40 J -25522276.20 -25522275.93 -25522275.63 0.0089 0.0030
 Neptune -74588-09-19 20:23 J -25521581.90 -25521581.65 -25521581.38 0.0089 0.0046
 Uranus -74587-06-04 17:59 J -25521323.90 -25521323.75 -25521323.55 0.0146 0.0126
 Uranus -74585-05-13 03:49 J -25520615.67 -25520615.34 -25520615.00 0.0145 0.0025
 Uranus -74583-04-20 21:06 J -25519907.91 -25519907.62 -25519907.32 0.0144 0.0071
 Pluto -74582-01-18 01:25 J -25519635.71 -25519635.44 -25519635.15 0.0078 0.0013
 Saturn -74577-04-16 08:23 J -25517720.42 -25517720.15 -25517719.86 0.0293 0.0080
 Saturn -74563-04-12 22:32 J -25512610.86 -25512610.56 -25512610.27 0.0268 0.0018
 Saturn -74547-06-06 13:40 J -25506712.17 -25506711.93 -25506711.67 0.0295 0.0146
 Uranus -74543-08-04 17:16 J -25505191.98 -25505191.78 -25505191.55 0.0133 0.0086
 Uranus -74541-07-03 03:49 J -25504493.61 -25504493.34 -25504493.06 0.0134 0.0027
 Uranus -74539-06-01 19:54 J -25503794.93 -25503794.67 -25503794.39 0.0135 0.0035
 Uranus -74537-04-30 22:04 J -25503095.75 -25503095.58 -25503095.37 0.0136 0.0099
 Saturn -74533-05-30 20:08 J -25501604.86 -25501604.66 -25501604.45 0.0265 0.0194
 Jupiter -74530-01-26 11:44 J -25500634.23 -25500634.01 -25500633.78 0.0495 0.0322
 Jupiter -74513-11-06 10:04 J -25494140.33 -25494140.08 -25494139.83 0.0530 0.0118
 Neptune -74508-10-05 14:37 J -25492346.17 -25492345.89 -25492345.57 0.0088 0.0038
 Neptune -74506-08-31 21:35 J -25491650.86 -25491650.60 -25491650.30 0.0088 0.0044
 Saturn -74505-07-19 01:54 J -25491328.66 -25491328.42 -25491328.17 0.0270 0.0150

Uranus -74502-01-31 08:23 J -25490402.43 -25490402.15 -25490401.86 0.0145 0.0080
 Uranus -74500-01-08 12:28 J -25489694.32 -25489693.98 -25489693.64 0.0144 0.0020
 Uranus -74499-12-17 00:13 J -25488986.67 -25488986.49 -25488986.27 0.0143 0.0115
 Jupiter -74495-11-02 14:37 J -25487570.07 -25487569.89 -25487569.70 0.0497 0.0383
 Saturn -74489-09-08 21:35 J -25485432.87 -25485432.60 -25485432.31 0.0293 0.0082
 Saturn -74475-09-05 17:44 J -25480323.05 -25480322.76 -25480322.46 0.0267 0.0028
 Uranus -74460-04-30 16:47 J -25474971.91 -25474971.80 -25474971.65 0.0133 0.0117
 Saturn -74459-10-29 12:42 J -25474425.22 -25474424.97 -25474424.72 0.0295 0.0145
 Uranus -74458-03-30 00:28 J -25474273.72 -25474273.48 -25474273.22 0.0133 0.0060
 Uranus -74456-02-25 12:42 J -25473575.25 -25473574.97 -25473574.69 0.0134 0.0002
 Uranus -74454-01-25 08:23 J -25472876.39 -25472876.15 -25472875.90 0.0135 0.0065
 Uranus -74453-12-24 12:28 J -25472177.03 -25472176.98 -25472176.86 0.0136 0.0131
 Saturn -74445-10-23 19:11 J -25469316.89 -25469316.70 -25469316.49 0.0266 0.0200
 Neptune -74426-06-10 06:28 J -25462513.42 -25462513.23 -25462513.02 0.0089 0.0066
 Neptune -74424-05-04 11:30 J -25461819.31 -25461819.02 -25461818.71 0.0089 0.0009
 Neptune -74422-03-29 18:56 J -25461124.78 -25461124.71 -25461124.61 0.0089 0.0085
 Uranus -74420-10-20 05:44 J -25460189.36 -25460189.26 -25460189.13 0.0146 0.0137
 Uranus -74418-09-28 19:11 J -25459481.03 -25459480.70 -25459480.36 0.0145 0.0035
 Saturn -74417-12-11 20:37 J -25459040.88 -25459040.64 -25459040.38 0.0270 0.0142
 Uranus -74416-09-05 18:42 J -25458773.00 -25458772.72 -25458772.39 0.0144 0.0064
 Saturn -74400-01-31 18:56 J -25453145.98 -25453145.71 -25453145.42 0.0292 0.0085
 Jupiter -74394-04-29 06:13 J -25450867.45 -25450867.24 -25450867.02 0.0530 0.0285
 Saturn -74386-01-29 15:35 J -25448035.15 -25448034.85 -25448034.56 0.0268 0.0030
 Jupiter -74376-04-22 14:08 J -25444299.21 -25444298.91 -25444298.62 0.0496 0.0022
 Uranus -74376-12-23 23:16 J -25444053.73 -25444053.53 -25444053.32 0.0133 0.0090
 Uranus -74374-11-22 06:56 J -25443355.48 -25443355.21 -25443354.94 0.0134 0.0031
 Uranus -74372-10-20 21:35 J -25442656.86 -25442656.60 -25442656.32 0.0135 0.0032
 Saturn -74370-03-24 04:04 J -25442137.57 -25442137.33 -25442137.07 0.0295 0.0144
 Uranus -74370-09-19 20:23 J -25441957.83 -25441957.65 -25441957.44 0.0136 0.0096
 Jupiter -74358-02-01 03:20 J -25437805.53 -25437805.36 -25437805.18 0.0530 0.0381

Saturn -74356-03-18 16:18 J -25437028.99 -25437028.82 -25437028.62 0.0266 0.0210
 Neptune -74344-05-19 07:11 J -25432584.33 -25432584.20 -25432584.01 0.0088 0.0077
 Neptune -74342-04-14 17:44 J -25431889.09 -25431888.76 -25431888.43 0.0088 0.0004
 Neptune -74340-03-09 23:30 J -25431193.61 -25431193.52 -25431193.42 0.0088 0.0084
 Uranus -74335-06-17 23:01 J -25429267.81 -25429267.54 -25429267.27 0.0146 0.0091
 Pluto -74334-04-27 11:30 J -25428954.30 -25428954.02 -25428953.74 0.0078 0.0008
 Uranus -74333-05-26 08:52 J -25428559.46 -25428559.13 -25428558.78 0.0145 0.0012
 Uranus -74331-05-04 02:37 J -25427851.58 -25427851.39 -25427851.14 0.0144 0.0110
 Saturn -74328-05-06 19:11 J -25426752.95 -25426752.70 -25426752.45 0.0271 0.0140
 Saturn -74312-06-26 19:40 J -25420857.96 -25420857.68 -25420857.39 0.0292 0.0081
 Saturn -74298-06-24 19:11 J -25415746.98 -25415746.70 -25415746.40 0.0268 0.0043
 Uranus -74293-09-18 21:35 J -25413833.70 -25413833.60 -25413833.49 0.0132 0.0122
 Uranus -74291-08-18 01:40 J -25413135.66 -25413135.43 -25413135.17 0.0133 0.0064
 Uranus -74289-07-16 11:59 J -25412437.28 -25412437.00 -25412436.72 0.0134 0.0003
 Uranus -74287-06-15 05:01 J -25411738.53 -25411738.29 -25411738.03 0.0135 0.0061
 Uranus -74285-05-14 05:16 J -25411039.38 -25411039.28 -25411039.18 0.0136 0.0126
 Saturn -74282-08-16 19:54 J -25409849.91 -25409849.67 -25409849.42 0.0294 0.0149
 Saturn -74268-08-11 21:49 J -25404740.75 -25404740.59 -25404740.40 0.0267 0.0217
 Neptune -74261-12-17 04:04 J -25402056.60 -25402056.33 -25402056.03 0.0089 0.0028
 Neptune -74259-11-11 08:52 J -25401362.36 -25401362.13 -25401361.85 0.0089 0.0048
 Jupiter -74258-10-10 21:49 J -25401028.69 -25401028.59 -25401028.48 0.0496 0.0463
 Uranus -74250-02-13 02:37 J -25398346.71 -25398346.39 -25398346.06 0.0146 0.0048
 Uranus -74248-01-21 09:06 J -25397638.44 -25397638.12 -25397637.80 0.0145 0.0055
 Jupiter -74240-07-23 13:40 J -25394533.18 -25394532.93 -25394532.68 0.0530 0.0054
 Saturn -74240-09-30 05:59 J -25394464.50 -25394464.25 -25394463.98 0.0271 0.0124
 Saturn -74224-11-20 00:28 J -25388569.76 -25388569.48 -25388569.19 0.0292 0.0070
 Jupiter -74222-07-17 23:59 J -25387964.76 -25387964.50 -25387964.23 0.0496 0.0232
 Saturn -74210-11-18 05:59 J -25383458.54 -25383458.25 -25383457.96 0.0269 0.0052
 Uranus -74208-05-13 22:47 J -25382915.74 -25382915.55 -25382915.36 0.0132 0.0096
 Uranus -74206-04-12 05:01 J -25382217.55 -25382217.29 -25382217.02 0.0133 0.0036

Uranus -74204-03-10 17:44 J -25381519.03 -25381518.76 -25381518.48 0.0134 0.0027
 Uranus -74202-02-07 11:16 J -25380820.22 -25380820.03 -25380819.81 0.0135 0.0091
 Saturn -74193-01-10 21:06 J -25377560.85 -25377560.62 -25377560.38 0.0294 0.0169
 Saturn -74179-01-05 19:54 J -25372451.79 -25372451.67 -25372451.53 0.0267 0.0240
 Neptune -74179-11-26 10:47 J -25372127.33 -25372127.05 -25372126.73 0.0088 0.0036
 Neptune -74177-10-21 20:23 J -25371431.91 -25371431.65 -25371431.35 0.0088 0.0046
 Uranus -74168-11-01 08:52 J -25368134.33 -25368134.13 -25368133.88 0.0146 0.0110
 Uranus -74166-10-11 01:54 J -25367425.76 -25367425.42 -25367425.07 0.0145 0.0004
 Saturn -74165-02-24 09:06 J -25367289.18 -25367289.12 -25367289.02 0.0289 0.0279
 Uranus -74164-09-18 03:35 J -25366717.58 -25366717.35 -25366717.08 0.0144 0.0098
 Saturn -74151-02-23 23:01 J -25362175.80 -25362175.54 -25362175.26 0.0271 0.0110
 Saturn -74135-04-16 16:18 J -25356280.11 -25356279.82 -25356279.53 0.0292 0.0037
 Uranus -74125-02-07 23:01 J -25352695.58 -25352695.54 -25352695.45 0.0132 0.0129
 Uranus -74123-01-06 02:08 J -25351997.62 -25351997.41 -25351997.15 0.0133 0.0070
 Uranus -74122-12-05 11:01 J -25351299.31 -25351299.04 -25351298.76 0.0133 0.0008
 Jupiter -74121-01-12 16:18 J -25351260.87 -25351260.82 -25351260.76 0.0530 0.0514
 Saturn -74121-04-13 12:28 J -25351169.26 -25351168.98 -25351168.70 0.0269 0.0081
 Uranus -74120-11-02 23:59 J -25350600.75 -25350600.50 -25350600.25 0.0134 0.0056
 Uranus -74118-10-02 19:11 J -25349901.80 -25349901.70 -25349901.55 0.0135 0.0122
 Saturn -74105-06-06 07:40 J -25345271.38 -25345271.18 -25345270.96 0.0294 0.0198
 Jupiter -74103-01-03 13:25 J -25344695.19 -25344694.94 -25344694.68 0.0496 0.0254
 Neptune -74097-07-31 22:32 J -25342293.75 -25342293.56 -25342293.34 0.0089 0.0064
 Neptune -74095-06-26 01:54 J -25341599.71 -25341599.42 -25341599.11 0.0089 0.0011
 Neptune -74093-05-20 07:25 J -25340905.25 -25340905.19 -25340905.12 0.0089 0.0087
 Saturn -74093-06-02 02:52 J -25340892.43 -25340892.38 -25340892.30 0.0274 0.0266
 Saturn -74091-06-01 22:04 J -25340162.63 -25340162.58 -25340162.50 0.0267 0.0261
 Pluto -74086-08-04 16:18 J -25338273.02 -25338272.82 -25338272.56 0.0078 0.0044
 Jupiter -74086-10-17 14:37 J -25338199.13 -25338198.89 -25338198.65 0.0530 0.0158
 Uranus -74083-06-29 05:59 J -25337213.54 -25337213.25 -25337212.93 0.0146 0.0067
 Uranus -74081-06-06 18:56 J -25336505.03 -25336504.71 -25336504.37 0.0145 0.0039

Uranus	-74079-05-15 16:18 J	-25335796.88	-25335796.82	-25335796.71	0.0144	0.0139
Saturn	-74077-07-21 11:59 J	-25334999.16	-25334999.00	-25334998.82	0.0289	0.0237
Jupiter	-74068-10-10 06:28 J	-25331631.38	-25331631.23	-25331631.07	0.0497	0.0418
Saturn	-74063-07-21 13:25 J	-25329886.22	-25329885.94	-25329885.65	0.0271	0.0076
Saturn	-74047-09-11 15:20 J	-25323990.15	-25323989.86	-25323989.57	0.0292	0.0003
Uranus	-74041-10-02 02:08 J	-25321777.58	-25321777.41	-25321777.23	0.0132	0.0102
Uranus	-74039-08-31 07:54 J	-25321079.43	-25321079.17	-25321078.90	0.0133	0.0041
Uranus	-74037-07-29 17:16 J	-25320381.05	-25320380.78	-25320380.50	0.0134	0.0022
Uranus	-74035-06-28 07:25 J	-25319682.38	-25319682.19	-25319681.96	0.0135	0.0087
Saturn	-74033-09-07 18:28 J	-25318879.99	-25318879.73	-25318879.44	0.0269	0.0107
Saturn	-74017-11-01 14:37 J	-25312981.04	-25312980.89	-25312980.72	0.0294	0.0243
Neptune	-74015-07-10 05:01 J	-25312365.44	-25312365.29	-25312365.08	0.0088	0.0074
Neptune	-74013-06-04 16:47 J	-25311670.12	-25311669.80	-25311669.47	0.0088	0.0007
Neptune	-74011-05-01 00:28 J	-25310974.49	-25310974.48	-25310974.38	0.0088	0.0088
Saturn	-74005-10-27 22:47 J	-25308602.69	-25308602.55	-25308602.38	0.0273	0.0230

74TH MILLENNIUM BCE

This is a list of transits of Mars in the 74th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-74000-03-17 16:04 J	-25307000.96	-25307000.83	-25307000.64	0.0146	0.0130		
Uranus	-73998-02-24 13:11 J	-25306292.28	-25306291.95	-25306291.60	0.0146	0.0021		
Uranus	-73996-02-01 21:06 J	-25305583.87	-25305583.62	-25305583.32	0.0145	0.0085		
Saturn	-73989-12-16 16:47 J	-25302709.01	-25302708.80	-25302708.58	0.0289	0.0199		

Saturn -73975-12-15 23:30 J -25297596.80 -25297596.52 -25297596.22 0.0271 0.0047
 Jupiter -73967-04-07 07:11 J -25294927.39 -25294927.20 -25294927.00 0.0531 0.0336
 Saturn -73958-02-06 20:23 J -25291699.93 -25291699.65 -25291699.36 0.0292 0.0047
 Uranus -73956-05-27 06:42 J -25290859.43 -25290859.22 -25290858.97 0.0133 0.0075
 Uranus -73954-04-25 13:54 J -25290161.19 -25290160.92 -25290160.64 0.0133 0.0012
 Uranus -73952-03-24 00:42 J -25289462.71 -25289462.47 -25289462.20 0.0134 0.0052
 Uranus -73950-02-20 19:11 J -25288763.83 -25288763.70 -25288763.56 0.0135 0.0117
 Jupiter -73949-03-28 11:44 J -25288362.30 -25288362.01 -25288361.71 0.0496 0.0090
 Saturn -73944-02-02 16:32 J -25286590.05 -25286589.81 -25286589.55 0.0268 0.0145
 Jupiter -73931-01-09 11:44 J -25281866.22 -25281866.01 -25281865.79 0.0530 0.0287
 Neptune -73931-02-07 20:23 J -25281836.92 -25281836.65 -25281836.34 0.0089 0.0026
 Neptune -73929-01-03 00:13 J -25281142.73 -25281142.49 -25281142.23 0.0089 0.0049
 Saturn -73928-03-29 17:01 J -25280690.86 -25280690.79 -25280690.69 0.0295 0.0282
 Saturn -73916-03-24 10:32 J -25276313.25 -25276313.06 -25276312.85 0.0273 0.0199
 Uranus -73916-11-13 02:37 J -25276079.66 -25276079.39 -25276079.09 0.0146 0.0082
 Uranus -73914-10-22 19:11 J -25275371.02 -25275370.70 -25275370.35 0.0145 0.0027
 Uranus -73912-09-29 22:32 J -25274662.69 -25274662.56 -25274662.39 0.0144 0.0129
 Saturn -73900-05-13 14:52 J -25270419.12 -25270418.88 -25270418.62 0.0289 0.0154
 Saturn -73886-05-12 21:06 J -25265306.92 -25265306.62 -25265306.33 0.0270 0.0011
 Uranus -73873-02-21 07:11 J -25260639.34 -25260639.20 -25260639.01 0.0132 0.0108
 Uranus -73871-01-19 11:44 J -25259941.26 -25259941.01 -25259940.74 0.0133 0.0046
 Saturn -73870-07-04 17:59 J -25259410.03 -25259409.75 -25259409.47 0.0293 0.0082
 Uranus -73870-12-18 18:42 J -25259242.99 -25259242.72 -25259242.44 0.0134 0.0018
 Uranus -73868-11-16 08:08 J -25258544.37 -25258544.16 -25258543.93 0.0134 0.0083
 Saturn -73856-06-29 23:59 J -25254300.71 -25254300.50 -25254300.26 0.0268 0.0174
 Neptune -73849-01-17 11:59 J -25251908.30 -25251908.00 -25251907.68 0.0088 0.0030
 Neptune -73848-12-12 22:18 J -25251212.83 -25251212.57 -25251212.29 0.0088 0.0050
 Pluto -73838-11-12 03:20 J -25247591.53 -25247591.36 -25247591.16 0.0078 0.0058
 Uranus -73833-08-01 18:56 J -25245866.76 -25245866.71 -25245866.64 0.0147 0.0144
 Uranus -73831-07-11 17:59 J -25245158.08 -25245157.75 -25245157.40 0.0146 0.0034

Uranus -73829-06-19 06:56 J -25244449.50 -25244449.21 -25244448.91 0.0145 0.0074
 Saturn -73828-08-19 03:35 J -25244023.58 -25244023.35 -25244023.12 0.0272 0.0167
 Jupiter -73813-06-30 07:11 J -25238594.43 -25238594.20 -25238593.96 0.0531 0.0196
 Saturn -73812-10-08 01:40 J -25238129.69 -25238129.43 -25238129.16 0.0290 0.0126
 Saturn -73798-10-06 23:30 J -25233017.81 -25233017.52 -25233017.22 0.0270 0.0017
 Jupiter -73795-06-21 17:16 J -25232029.07 -25232028.78 -25232028.48 0.0496 0.0096
 Uranus -73789-10-15 10:04 J -25229721.30 -25229721.08 -25229720.86 0.0132 0.0080
 Uranus -73787-09-13 14:08 J -25229023.18 -25229022.91 -25229022.63 0.0133 0.0017
 Uranus -73785-08-11 23:16 J -25228324.77 -25228324.53 -25228324.25 0.0134 0.0048
 Uranus -73783-07-11 15:20 J -25227626.00 -25227625.86 -25227625.70 0.0135 0.0113
 Saturn -73782-11-28 14:52 J -25227121.15 -25227120.88 -25227120.61 0.0293 0.0113
 Jupiter -73777-04-04 01:54 J -25225532.53 -25225532.42 -25225532.30 0.0530 0.0467
 Neptune -73768-09-22 17:16 J -25222073.96 -25222073.78 -25222073.53 0.0089 0.0061
 Saturn -73768-11-24 08:08 J -25222011.34 -25222011.16 -25222010.95 0.0268 0.0202
 Neptune -73766-08-17 19:25 J -25221379.98 -25221379.69 -25221379.39 0.0089 0.0013
 Neptune -73764-07-11 23:59 J -25220685.52 -25220685.50 -25220685.44 0.0089 0.0088
 Uranus -73748-03-30 04:18 J -25214945.55 -25214945.32 -25214945.04 0.0146 0.0098
 Uranus -73746-03-09 00:56 J -25214236.81 -25214236.46 -25214236.12 0.0146 0.0014
 Uranus -73744-02-14 08:23 J -25213528.32 -25213528.15 -25213527.94 0.0145 0.0121
 Saturn -73739-01-13 00:28 J -25211734.72 -25211734.48 -25211734.23 0.0272 0.0143
 Saturn -73723-03-03 05:59 J -25205841.53 -25205841.25 -25205840.98 0.0290 0.0106
 Saturn -73709-03-02 00:42 J -25200728.76 -25200728.47 -25200728.18 0.0270 0.0038
 Uranus -73706-07-12 06:13 J -25199501.36 -25199501.24 -25199501.08 0.0132 0.0114
 Uranus -73704-06-09 08:08 J -25198803.40 -25198803.16 -25198802.89 0.0133 0.0052
 Uranus -73702-05-08 14:08 J -25198105.18 -25198104.91 -25198104.63 0.0133 0.0012
 Uranus -73700-04-06 01:54 J -25197406.63 -25197406.42 -25197406.18 0.0134 0.0077
 Saturn -73693-04-22 23:30 J -25194832.78 -25194832.52 -25194832.25 0.0293 0.0125
 Neptune -73686-08-31 07:54 J -25192146.36 -25192146.17 -25192145.93 0.0088 0.0068
 Neptune -73684-07-26 21:49 J -25191450.90 -25191450.59 -25191450.25 0.0088 0.0014
 Saturn -73679-04-19 19:54 J -25189722.82 -25189722.67 -25189722.49 0.0267 0.0220

Jupiter -73677-12-08 21:49 J -25188758.80 -25188758.59 -25188758.36 0.0495 0.0343
 Uranus -73664-11-25 07:40 J -25184024.49 -25184024.18 -25184023.84 0.0146 0.0051
 Uranus -73662-11-04 01:11 J -25183315.75 -25183315.45 -25183315.12 0.0145 0.0061
 Jupiter -73659-09-24 13:40 J -25182260.18 -25182259.93 -25182259.68 0.0530 0.0036
 Saturn -73651-06-08 16:18 J -25179446.07 -25179445.82 -25179445.56 0.0272 0.0130
 Jupiter -73641-09-15 09:06 J -25175694.30 -25175694.12 -25175693.91 0.0496 0.0374
 Saturn -73635-07-27 02:37 J -25173553.65 -25173553.39 -25173553.10 0.0290 0.0104
 Uranus -73621-03-05 05:16 J -25168583.48 -25168583.28 -25168583.07 0.0132 0.0087
 Saturn -73621-07-26 05:59 J -25168440.53 -25168440.25 -25168439.95 0.0269 0.0054
 Uranus -73619-02-01 08:08 J -25167885.43 -25167885.16 -25167884.88 0.0133 0.0025
 Uranus -73618-12-31 15:20 J -25167187.11 -25167186.86 -25167186.58 0.0133 0.0041
 Uranus -73616-11-29 03:06 J -25166488.52 -25166488.37 -25166488.18 0.0134 0.0107
 Saturn -73605-09-15 05:16 J -25162545.53 -25162545.28 -25162545.01 0.0293 0.0130
 Neptune -73602-04-01 18:13 J -25161617.02 -25161616.74 -25161616.44 0.0089 0.0022
 Neptune -73600-02-23 19:54 J -25160922.91 -25160922.67 -25160922.43 0.0089 0.0052
 Saturn -73591-09-13 03:49 J -25157434.48 -25157434.34 -25157434.18 0.0268 0.0230
 Uranus -73581-08-12 22:32 J -25153812.73 -25153812.56 -25153812.34 0.0147 0.0121
 Uranus -73579-07-22 23:16 J -25153103.87 -25153103.53 -25153103.18 0.0146 0.0007
 Uranus -73577-06-30 11:59 J -25152395.21 -25152395.00 -25152394.73 0.0145 0.0104
 Saturn -73563-11-01 15:20 J -25147158.11 -25147157.86 -25147157.59 0.0272 0.0119
 Saturn -73547-12-19 01:11 J -25141266.72 -25141266.45 -25141266.17 0.0289 0.0105
 Jupiter -73540-03-16 13:54 J -25138987.10 -25138986.92 -25138986.73 0.0530 0.0358
 Uranus -73539-11-30 01:40 J -25138363.50 -25138363.43 -25138363.30 0.0132 0.0123
 Uranus -73537-10-28 03:06 J -25137665.60 -25137665.37 -25137665.11 0.0132 0.0061
 Uranus -73535-09-26 08:37 J -25136967.42 -25136967.14 -25136966.87 0.0133 0.0004
 Uranus -73533-08-24 16:32 J -25136269.03 -25136268.81 -25136268.56 0.0134 0.0070
 Saturn -73533-12-19 06:13 J -25136152.52 -25136152.24 -25136151.94 0.0270 0.0058
 Jupiter -73522-03-05 23:59 J -25132423.80 -25132423.50 -25132423.20 0.0496 0.0040
 Neptune -73520-03-09 18:28 J -25131689.03 -25131688.73 -25131688.39 0.0088 0.0024
 Neptune -73518-02-03 07:25 J -25130993.40 -25130993.19 -25130992.90 0.0088 0.0058

Saturn -73516-02-07 15:49 J -25130258.10 -25130257.84 -25130257.57 0.0293 0.0126
 Jupiter -73505-12-19 05:44 J -25125925.46 -25125925.26 -25125925.04 0.0530 0.0293
 Saturn -73502-02-05 23:30 J -25125146.64 -25125146.52 -25125146.38 0.0267 0.0240
 Uranus -73496-04-09 20:52 J -25122891.90 -25122891.63 -25122891.31 0.0146 0.0076
 Uranus -73494-03-19 17:59 J -25122183.08 -25122182.75 -25122182.41 0.0146 0.0039
 Saturn -73474-03-27 10:04 J -25114870.33 -25114870.08 -25114869.81 0.0273 0.0120
 Saturn -73458-05-13 15:06 J -25108979.14 -25108978.87 -25108978.59 0.0289 0.0105
 Uranus -73454-07-25 00:28 J -25107445.64 -25107445.48 -25107445.27 0.0132 0.0096
 Uranus -73452-06-22 04:04 J -25106747.59 -25106747.33 -25106747.05 0.0133 0.0033
 Uranus -73450-05-21 09:49 J -25106049.35 -25106049.09 -25106048.81 0.0133 0.0033
 Uranus -73448-04-18 19:40 J -25105350.84 -25105350.68 -25105350.48 0.0134 0.0100
 Saturn -73444-05-14 01:40 J -25103864.71 -25103864.43 -25103864.14 0.0270 0.0066
 Neptune -73439-11-14 21:06 J -25101853.83 -25101853.62 -25101853.36 0.0089 0.0055
 Neptune -73437-10-08 21:06 J -25101159.91 -25101159.62 -25101159.32 0.0089 0.0018
 Saturn -73428-07-02 17:59 J -25097971.01 -25097970.75 -25097970.49 0.0292 0.0124
 Saturn -73414-07-01 20:08 J -25092858.77 -25092858.66 -25092858.52 0.0269 0.0242
 Uranus -73414-12-27 20:52 J -25092679.69 -25092679.63 -25092679.54 0.0147 0.0143
 Uranus -73412-12-05 22:04 J -25091970.91 -25091970.58 -25091970.23 0.0146 0.0028
 Uranus -73410-11-14 14:23 J -25091262.16 -25091261.90 -25091261.60 0.0145 0.0085
 Jupiter -73404-08-23 06:56 J -25089153.29 -25089153.21 -25089153.11 0.0496 0.0472
 Jupiter -73386-06-11 04:18 J -25082652.56 -25082652.32 -25082652.07 0.0530 0.0111
 Saturn -73386-08-20 08:23 J -25082582.41 -25082582.15 -25082581.88 0.0273 0.0110
 Uranus -73371-04-19 21:49 J -25077225.60 -25077225.59 -25077225.55 0.0132 0.0131
 Saturn -73370-10-06 01:54 J -25076691.69 -25076691.42 -25076691.13 0.0289 0.0104
 Uranus -73369-03-18 00:42 J -25076527.70 -25076527.47 -25076527.22 0.0132 0.0068
 Jupiter -73368-05-30 21:20 J -25076088.86 -25076088.61 -25076088.34 0.0496 0.0246
 Uranus -73367-02-14 05:16 J -25075829.56 -25075829.28 -25075829.01 0.0133 0.0004
 Uranus -73365-01-13 11:16 J -25075131.26 -25075131.03 -25075130.77 0.0134 0.0063
 Uranus -73364-12-11 23:30 J -25074432.55 -25074432.52 -25074432.43 0.0134 0.0132
 Neptune -73357-10-21 15:20 J -25071927.07 -25071926.86 -25071926.57 0.0088 0.0060

Saturn -73356-10-06 23:01 J -25071576.82 -25071576.54 -25071576.25 0.0271 0.0068
 Neptune -73355-09-17 07:54 J -25071231.48 -25071231.17 -25071230.84 0.0088 0.0022
 Saturn -73340-11-25 23:16 J -25065682.79 -25065682.53 -25065682.27 0.0292 0.0134
 Uranus -73329-08-24 06:42 J -25061758.46 -25061758.22 -25061757.93 0.0147 0.0095
 Uranus -73327-08-03 05:01 J -25061049.62 -25061049.29 -25061048.94 0.0146 0.0021
 Saturn -73326-11-25 00:56 J -25060570.53 -25060570.46 -25060570.36 0.0268 0.0257
 Uranus -73325-07-11 18:42 J -25060340.85 -25060340.72 -25060340.57 0.0145 0.0132
 Saturn -73297-01-13 10:47 J -25050294.31 -25050294.05 -25050293.78 0.0274 0.0104
 Uranus -73287-12-12 21:49 J -25046307.75 -25046307.59 -25046307.41 0.0132 0.0105
 Uranus -73285-11-10 00:28 J -25045609.74 -25045609.48 -25045609.21 0.0133 0.0040
 Uranus -73283-10-09 04:33 J -25044911.57 -25044911.31 -25044911.03 0.0133 0.0026
 Saturn -73281-02-29 20:23 J -25044402.93 -25044402.65 -25044402.36 0.0288 0.0083
 Uranus -73281-09-06 13:11 J -25044213.13 -25044212.95 -25044212.73 0.0134 0.0094
 Neptune -73275-06-30 01:54 J -25042090.48 -25042090.42 -25042090.34 0.0089 0.0087
 Neptune -73273-05-24 00:57 J -25041396.74 -25041396.46 -25041396.15 0.0089 0.0015
 Neptune -73271-04-18 01:40 J -25040702.64 -25040702.43 -25040702.20 0.0089 0.0058
 Saturn -73267-03-02 12:42 J -25039288.24 -25039287.97 -25039287.69 0.0271 0.0088
 Saturn -73251-04-21 12:42 J -25033394.21 -25033393.97 -25033393.71 0.0291 0.0152
 Jupiter -73250-11-17 12:42 J -25032819.24 -25032818.97 -25032818.70 0.0496 0.0225
 Uranus -73244-04-21 15:35 J -25030837.17 -25030836.85 -25030836.52 0.0146 0.0046
 Uranus -73242-03-31 10:47 J -25030128.34 -25030128.05 -25030127.74 0.0145 0.0070
 Saturn -73239-04-21 08:37 J -25029011.18 -25029011.14 -25029011.08 0.0277 0.0272
 Jupiter -73232-09-04 15:35 J -25026318.10 -25026317.85 -25026317.61 0.0529 0.0128
 Jupiter -73214-08-24 16:04 J -25019754.93 -25019754.83 -25019754.72 0.0497 0.0464
 Saturn -73209-06-08 11:16 J -25018005.30 -25018005.03 -25018004.75 0.0274 0.0078
 Uranus -73202-08-06 18:57 J -25015389.93 -25015389.71 -25015389.49 0.0132 0.0078
 Uranus -73200-07-04 21:21 J -25014691.89 -25014691.61 -25014691.34 0.0133 0.0012
 Uranus -73198-06-03 02:52 J -25013993.62 -25013993.38 -25013993.12 0.0133 0.0056
 Uranus -73196-05-01 14:37 J -25013294.98 -25013294.89 -25013294.77 0.0134 0.0125
 Saturn -73193-07-26 02:37 J -25012113.68 -25012113.39 -25012113.09 0.0288 0.0057

Neptune -73191-05-01 08:09 J -25011469.48 -25011469.16 -25011468.82 0.0088 0.0013
 Neptune -73189-03-26 22:18 J -25010773.76 -25010773.57 -25010773.33 0.0088 0.0067
 Saturn -73179-07-27 09:06 J -25006999.38 -25006999.12 -25006998.85 0.0272 0.0108
 Saturn -73163-09-16 09:06 J -25001104.33 -25001104.12 -25001103.89 0.0291 0.0190
 Uranus -73161-01-08 18:42 J -25000624.90 -25000624.72 -25000624.48 0.0147 0.0116
 Uranus -73160-12-17 19:40 J -24999916.02 -24999915.68 -24999915.33 0.0146 0.0003
 Uranus -73158-11-26 12:28 J -24999207.15 -24999206.98 -24999206.75 0.0145 0.0118
 Saturn -73151-09-15 18:57 J -24996721.82 -24996721.71 -24996721.55 0.0277 0.0242
 Saturn -73135-10-30 16:04 J -24990832.95 -24990832.83 -24990832.69 0.0286 0.0258
 Saturn -73121-11-02 16:04 J -24985716.11 -24985715.83 -24985715.54 0.0274 0.0052
 Uranus -73119-05-02 11:59 J -24985170.11 -24985170.00 -24985169.85 0.0132 0.0116
 Uranus -73117-03-30 13:40 J -24984472.17 -24984471.93 -24984471.66 0.0132 0.0051
 Uranus -73115-02-26 17:16 J -24983774.04 -24983773.78 -24983773.50 0.0133 0.0017
 Uranus -73113-01-26 00:57 J -24983075.65 -24983075.46 -24983075.23 0.0134 0.0086
 Jupiter -73113-02-24 18:42 J -24983045.91 -24983045.72 -24983045.53 0.0530 0.0339
 Neptune -73109-01-07 07:25 J -24981633.43 -24981633.19 -24981632.92 0.0089 0.0046
 Neptune -73108-12-01 06:28 J -24980939.50 -24980939.23 -24980938.93 0.0089 0.0027
 Saturn -73105-12-21 06:42 J -24979823.51 -24979823.22 -24979822.92 0.0289 0.0010
 Jupiter -73095-02-09 13:54 J -24976486.22 -24976485.92 -24976485.62 0.0496 0.0052
 Saturn -73091-12-22 03:49 J -24974709.58 -24974709.34 -24974709.08 0.0271 0.0145
 Jupiter -73078-11-28 18:13 J -24969984.96 -24969984.74 -24969984.53 0.0530 0.0268
 Uranus -73077-09-04 13:40 J -24969704.21 -24969703.93 -24969703.61 0.0146 0.0071
 Uranus -73075-08-14 13:40 J -24968995.26 -24968994.93 -24968994.60 0.0146 0.0049
 Saturn -73074-02-11 11:45 J -24968814.18 -24968814.01 -24968813.82 0.0292 0.0229
 Saturn -73062-02-10 07:40 J -24964432.36 -24964432.18 -24964431.99 0.0276 0.0209
 Saturn -73046-03-27 22:47 J -24958542.75 -24958542.55 -24958542.34 0.0286 0.0208
 Uranus -73035-12-25 06:13 J -24954252.42 -24954252.24 -24954252.01 0.0132 0.0090
 Uranus -73033-11-22 07:54 J -24953554.43 -24953554.17 -24953553.88 0.0132 0.0024
 Saturn -73032-03-30 16:33 J -24953426.10 -24953425.81 -24953425.52 0.0273 0.0013
 Uranus -73031-10-21 13:25 J -24952856.20 -24952855.94 -24952855.68 0.0133 0.0045

Uranus -73029-09-18 21:21 J -24952157.73 -24952157.61 -24952157.44 0.0134 0.0115

Neptune -73028-12-13 06:42 J -24951707.47 -24951707.22 -24951706.91 0.0088 0.0049

Neptune -73026-11-09 00:42 J -24951011.77 -24951011.47 -24951011.15 0.0088 0.0033

Saturn -73016-05-18 13:25 J -24947533.24 -24947532.94 -24947532.65 0.0289 0.0031

Saturn -73002-05-18 18:42 J -24942419.94 -24942419.72 -24942419.50 0.0271 0.0178

73RD MILLENNIUM BCE

This is a list of transits of Mars in the 73rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Uranus	-72994-05-24 01:11 J		-24939492.49	-24939492.45	-24939492.39	0.0147	0.0145	
Uranus	-72992-05-02 03:49 J		-24938783.67	-24938783.34	-24938782.99	0.0146	0.0025	
Uranus	-72990-04-11 00:57 J		-24938074.70	-24938074.46	-24938074.18	0.0145	0.0095	
Saturn	-72986-07-09 15:21 J		-24936523.93	-24936523.86	-24936523.76	0.0292	0.0278	
Saturn	-72974-07-08 08:52 J		-24932142.34	-24932142.13	-24932141.90	0.0276	0.0172	
Jupiter	-72959-05-19 15:21 J		-24926713.09	-24926712.86	-24926712.63	0.0530	0.0217	
Saturn	-72958-08-23 02:09 J		-24926252.65	-24926252.41	-24926252.17	0.0287	0.0171	
Uranus	-72952-09-19 23:45 J		-24924032.54	-24924032.51	-24924032.42	0.0132	0.0129	
Uranus	-72950-08-19 01:11 J		-24923334.68	-24923334.45	-24923334.20	0.0132	0.0062	
Uranus	-72948-07-17 05:01 J		-24922636.57	-24922636.29	-24922636.01	0.0133	0.0006	
Uranus	-72946-06-15 10:18 J		-24921938.27	-24921938.07	-24921937.82	0.0133	0.0076	
Neptune	-72946-08-22 18:13 J		-24921869.87	-24921869.74	-24921869.58	0.0089	0.0076	
Neptune	-72944-07-16 14:52 J		-24921176.17	-24921175.88	-24921175.58	0.0089	0.0005	
Saturn	-72944-08-25 05:30 J		-24921136.55	-24921136.27	-24921135.98	0.0273	0.0021	

Neptune -72942-06-10 14:23 J -24920482.09 -24920481.90 -24920481.70 0.0089 0.0068
 Jupiter -72941-05-04 08:23 J -24920153.45 -24920153.15 -24920152.85 0.0496 0.0110
 Pluto -72930-05-14 17:01 J -24916125.84 -24916125.79 -24916125.69 0.0066 0.0065
 Saturn -72928-10-13 07:25 J -24915243.48 -24915243.19 -24915242.90 0.0289 0.0074
 Jupiter -72923-02-21 01:40 J -24913651.58 -24913651.43 -24913651.28 0.0529 0.0423
 Saturn -72914-10-13 14:23 J -24910130.08 -24910129.90 -24910129.72 0.0270 0.0213
 Uranus -72909-01-18 18:57 J -24908571.94 -24908571.71 -24908571.43 0.0147 0.0100
 Uranus -72908-12-27 20:37 J -24907862.98 -24907862.64 -24907862.30 0.0146 0.0022
 Uranus -72906-12-06 14:23 J -24907153.96 -24907153.90 -24907153.79 0.0145 0.0141
 Saturn -72886-12-02 17:45 J -24899853.00 -24899852.76 -24899852.52 0.0275 0.0140
 Saturn -72869-01-17 04:47 J -24893963.56 -24893963.30 -24893963.03 0.0287 0.0138
 Uranus -72867-05-14 17:59 J -24893114.91 -24893114.75 -24893114.56 0.0132 0.0102
 Uranus -72865-04-11 21:21 J -24892416.87 -24892416.61 -24892416.34 0.0132 0.0034
 Neptune -72864-07-27 06:28 J -24891945.32 -24891945.23 -24891945.07 0.0088 0.0083
 Uranus -72863-03-11 02:23 J -24891718.66 -24891718.40 -24891718.13 0.0133 0.0035
 Neptune -72862-06-23 03:06 J -24891249.70 -24891249.37 -24891249.03 0.0088 0.0001
 Uranus -72861-02-07 08:37 J -24891020.31 -24891020.14 -24891019.97 0.0134 0.0105
 Neptune -72860-05-18 19:11 J -24890553.81 -24890553.70 -24890553.51 0.0088 0.0079
 Saturn -72855-01-19 18:42 J -24888847.00 -24888846.72 -24888846.44 0.0273 0.0049
 Saturn -72839-03-09 10:04 J -24882954.36 -24882954.08 -24882953.80 0.0290 0.0098
 Saturn -72825-03-08 13:54 J -24877841.05 -24877840.92 -24877840.78 0.0270 0.0238
 Uranus -72825-09-14 19:25 J -24877651.00 -24877650.69 -24877650.35 0.0146 0.0051
 Uranus -72823-08-24 18:28 J -24876942.02 -24876941.73 -24876941.41 0.0146 0.0071
 Jupiter -72823-10-21 17:59 J -24876883.95 -24876883.75 -24876883.54 0.0495 0.0366
 Jupiter -72805-08-12 11:01 J -24870379.29 -24870379.04 -24870378.80 0.0530 0.0023
 Saturn -72797-04-27 21:06 J -24867563.87 -24867563.62 -24867563.36 0.0275 0.0121
 Jupiter -72787-07-29 11:59 J -24863819.20 -24863819.00 -24863818.78 0.0496 0.0358
 Uranus -72782-01-06 15:06 J -24862197.08 -24862196.87 -24862196.62 0.0132 0.0074
 Saturn -72781-06-11 17:01 J -24861675.05 -24861674.79 -24861674.51 0.0287 0.0124
 Uranus -72781-12-04 18:57 J -24861498.98 -24861498.71 -24861498.43 0.0133 0.0005

Neptune -72780-03-01 02:23 J -24861412.66 -24861412.40 -24861412.12 0.0089 0.0035
 Uranus -72779-11-02 22:47 J -24860800.78 -24860800.55 -24860800.30 0.0133 0.0065
 Neptune -72778-01-23 23:45 J -24860718.78 -24860718.51 -24860718.24 0.0089 0.0036
 Saturn -72767-06-15 10:04 J -24856558.35 -24856558.08 -24856557.79 0.0272 0.0070
 Saturn -72751-08-02 05:59 J -24850666.52 -24850666.25 -24850665.97 0.0290 0.0112
 Uranus -72742-06-04 00:13 J -24847438.66 -24847438.49 -24847438.29 0.0147 0.0124
 Uranus -72740-05-13 01:40 J -24846729.78 -24846729.43 -24846729.09 0.0146 0.0001
 Uranus -72738-04-21 21:21 J -24846020.77 -24846020.61 -24846020.39 0.0145 0.0121
 Saturn -72737-08-02 06:42 J -24845552.31 -24845552.22 -24845552.11 0.0270 0.0253
 Saturn -72709-09-21 03:49 J -24835275.59 -24835275.34 -24835275.07 0.0275 0.0106
 Uranus -72700-10-02 07:54 J -24831977.31 -24831977.17 -24831977.03 0.0132 0.0114
 Neptune -72698-02-04 03:35 J -24831487.65 -24831487.35 -24831487.03 0.0088 0.0035
 Uranus -72698-08-31 11:16 J -24831279.29 -24831279.03 -24831278.77 0.0132 0.0046
 Neptune -72697-12-30 22:04 J -24830791.84 -24830791.58 -24830791.27 0.0088 0.0045
 Uranus -72696-07-29 14:09 J -24830581.18 -24830580.91 -24830580.64 0.0133 0.0024
 Uranus -72694-06-27 19:11 J -24829882.87 -24829882.70 -24829882.49 0.0134 0.0096
 Saturn -72693-11-03 23:45 J -24829387.79 -24829387.51 -24829387.24 0.0287 0.0121
 Jupiter -72686-02-02 11:01 J -24827106.18 -24827106.04 -24827105.88 0.0530 0.0420
 Pluto -72682-08-20 17:16 J -24825446.08 -24825445.78 -24825445.48 0.0066 0.0036
 Saturn -72679-11-08 16:47 J -24824270.07 -24824269.80 -24824269.52 0.0273 0.0077
 Jupiter -72668-01-15 13:54 J -24820549.22 -24820548.92 -24820548.62 0.0496 0.0078
 Saturn -72663-12-25 19:11 J -24818378.97 -24818378.70 -24818378.42 0.0290 0.0111
 Uranus -72657-01-30 06:13 J -24816517.53 -24816517.24 -24816516.93 0.0146 0.0074
 Uranus -72655-01-08 05:45 J -24815808.57 -24815808.26 -24815807.92 0.0146 0.0051
 Jupiter -72651-11-06 21:49 J -24814044.81 -24814044.59 -24814044.35 0.0530 0.0215
 Saturn -72649-12-26 05:59 J -24813264.30 -24813264.25 -24813264.18 0.0270 0.0264
 Saturn -72620-02-14 02:52 J -24802987.64 -24802987.38 -24802987.11 0.0276 0.0105
 Neptune -72617-10-14 14:52 J -24801649.06 -24801648.88 -24801648.66 0.0089 0.0064
 Uranus -72615-05-27 02:23 J -24801059.59 -24801059.40 -24801059.17 0.0132 0.0087
 Neptune -72615-09-08 11:30 J -24800955.31 -24800955.02 -24800954.72 0.0089 0.0007

Uranus -72613-04-24 04:47 J -24800361.57 -24800361.30 -24800361.02 0.0132 0.0017
 Neptune -72613-08-02 09:21 J -24800261.23 -24800261.11 -24800260.95 0.0089 0.0078
 Uranus -72611-03-23 08:52 J -24799663.38 -24799663.13 -24799662.87 0.0133 0.0054
 Uranus -72609-02-19 16:18 J -24798964.89 -24798964.82 -24798964.71 0.0134 0.0126
 Saturn -72604-03-29 08:37 J -24797100.41 -24797100.14 -24797099.86 0.0286 0.0124
 Saturn -72590-04-03 12:42 J -24791982.24 -24791981.97 -24791981.69 0.0272 0.0086
 Saturn -72574-05-19 15:06 J -24786092.14 -24786091.87 -24786091.59 0.0289 0.0106
 Uranus -72573-09-26 06:42 J -24785596.56 -24785596.22 -24785595.87 0.0146 0.0024
 Uranus -72571-09-05 05:01 J -24784887.52 -24784887.29 -24784887.02 0.0146 0.0101
 Saturn -72560-05-21 02:37 J -24780976.43 -24780976.39 -24780976.32 0.0271 0.0266
 Neptune -72535-09-18 04:18 J -24771725.53 -24771725.32 -24771725.10 0.0088 0.0068
 Neptune -72533-08-14 02:09 J -24771029.73 -24771029.41 -24771029.07 0.0088 0.0013
 Uranus -72532-02-19 16:47 J -24770839.85 -24770839.80 -24770839.74 0.0132 0.0129
 Jupiter -72532-04-29 05:01 J -24770771.53 -24770771.29 -24770771.05 0.0530 0.0169
 Saturn -72532-07-09 22:18 J -24770699.83 -24770699.57 -24770699.30 0.0276 0.0097
 Uranus -72530-01-18 18:28 J -24770141.96 -24770141.73 -24770141.47 0.0132 0.0060
 Uranus -72529-12-16 20:37 J -24769443.91 -24769443.64 -24769443.36 0.0133 0.0011
 Uranus -72527-11-15 01:40 J -24768745.64 -24768745.43 -24768745.21 0.0133 0.0083
 Saturn -72516-08-21 07:40 J -24764813.45 -24764813.18 -24764812.90 0.0286 0.0129
 Jupiter -72514-04-12 18:28 J -24764214.00 -24764213.73 -24764213.46 0.0496 0.0226
 Saturn -72502-08-27 06:57 J -24759694.48 -24759694.21 -24759693.93 0.0274 0.0086
 Jupiter -72496-01-31 23:01 J -24757709.62 -24757709.54 -24757709.45 0.0529 0.0494
 Uranus -72490-06-14 18:57 J -24755384.94 -24755384.71 -24755384.45 0.0147 0.0104
 Uranus -72488-05-23 20:52 J -24754675.97 -24754675.63 -24754675.29 0.0146 0.0023
 Saturn -72486-10-12 06:42 J -24753804.49 -24753804.22 -24753803.94 0.0289 0.0108
 Neptune -72451-04-24 00:28 J -24741191.75 -24741191.48 -24741191.18 0.0089 0.0023
 Neptune -72449-03-17 20:37 J -24740497.87 -24740497.64 -24740497.38 0.0089 0.0048
 Uranus -72448-10-14 09:06 J -24739922.29 -24739922.12 -24739921.94 0.0132 0.0102
 Uranus -72446-09-12 10:33 J -24739224.32 -24739224.06 -24739223.79 0.0132 0.0032
 Uranus -72444-08-10 14:09 J -24738526.17 -24738525.91 -24738525.64 0.0133 0.0040

Saturn -72444-12-02 17:01 J -24738412.05 -24738411.79 -24738411.52 0.0277 0.0096
 Uranus -72442-07-09 19:25 J -24737827.83 -24737827.69 -24737827.54 0.0133 0.0112
 Pluto -72434-11-26 21:21 J -24734765.94 -24734765.61 -24734765.25 0.0066 0.0016
 Saturn -72427-01-14 08:52 J -24732525.41 -24732525.13 -24732524.85 0.0285 0.0117
 Saturn -72413-01-20 10:04 J -24727406.34 -24727406.08 -24727405.81 0.0274 0.0099
 Uranus -72405-02-09 06:13 J -24724464.54 -24724464.24 -24724463.91 0.0147 0.0058
 Uranus -72403-01-18 06:28 J -24723755.53 -24723755.23 -24723754.92 0.0146 0.0070
 Saturn -72397-03-06 02:09 J -24721516.67 -24721516.41 -24721516.13 0.0288 0.0115
 Jupiter -72396-09-29 13:11 J -24720944.21 -24720943.95 -24720943.67 0.0496 0.0228
 Saturn -72385-03-10 08:23 J -24717129.19 -24717129.15 -24717129.10 0.0280 0.0276
 Jupiter -72378-07-25 01:25 J -24714436.69 -24714436.44 -24714436.20 0.0529 0.0094
 Neptune -72369-03-28 02:37 J -24711267.71 -24711267.39 -24711267.05 0.0088 0.0020
 Neptune -72367-02-21 23:30 J -24710571.74 -24710571.52 -24710571.25 0.0088 0.0060
 Uranus -72363-06-08 00:13 J -24709004.70 -24709004.49 -24709004.24 0.0132 0.0075
 Uranus -72361-05-06 03:35 J -24708306.62 -24708306.35 -24708306.07 0.0132 0.0004
 Jupiter -72360-07-07 03:35 J -24707879.41 -24707879.35 -24707879.26 0.0497 0.0481
 Uranus -72359-04-04 07:54 J -24707608.39 -24707608.17 -24707607.92 0.0133 0.0069
 Saturn -72355-04-28 02:52 J -24706123.64 -24706123.38 -24706123.10 0.0277 0.0079
 Saturn -72339-06-09 20:09 J -24700236.93 -24700236.66 -24700236.37 0.0285 0.0102
 Saturn -72325-06-14 17:59 J -24695118.01 -24695117.75 -24695117.48 0.0274 0.0111
 Uranus -72323-10-27 21:06 J -24694252.73 -24694252.62 -24694252.50 0.0147 0.0137
 Uranus -72321-10-05 21:35 J -24693543.94 -24693543.60 -24693543.25 0.0146 0.0009
 Uranus -72319-09-14 18:57 J -24692834.88 -24692834.71 -24692834.48 0.0146 0.0119
 Saturn -72309-07-31 06:57 J -24689227.46 -24689227.21 -24689226.95 0.0288 0.0145
 Saturn -72297-08-04 03:49 J -24684840.44 -24684840.34 -24684840.21 0.0280 0.0254
 Neptune -72288-12-07 16:18 J -24681428.04 -24681427.82 -24681427.56 0.0089 0.0051
 Neptune -72286-11-01 10:33 J -24680734.34 -24680734.06 -24680733.76 0.0089 0.0019
 Uranus -72280-03-03 16:18 J -24678784.94 -24678784.82 -24678784.68 0.0132 0.0117
 Uranus -72278-01-30 19:25 J -24678086.93 -24678086.69 -24678086.41 0.0132 0.0046
 Uranus -72277-12-28 23:01 J -24677388.81 -24677388.54 -24677388.26 0.0133 0.0026

Uranus -72275-11-27 02:37 J -24676690.56 -24676690.39 -24676690.19 0.0133 0.0100
 Saturn -72267-09-21 18:28 J -24673835.00 -24673834.73 -24673834.45 0.0277 0.0060
 Jupiter -72259-01-13 17:16 J -24671163.97 -24671163.78 -24671163.59 0.0530 0.0340
 Saturn -72251-11-04 13:11 J -24667947.24 -24667946.95 -24667946.65 0.0285 0.0061
 Jupiter -72242-12-24 00:57 J -24664610.77 -24664610.46 -24664610.16 0.0497 0.0028
 Uranus -72238-06-24 20:52 J -24663331.90 -24663331.63 -24663331.35 0.0147 0.0087
 Saturn -72237-11-08 23:16 J -24662828.77 -24662828.53 -24662828.28 0.0274 0.0141
 Uranus -72236-06-02 19:54 J -24662622.99 -24662622.67 -24662622.33 0.0146 0.0042
 Jupiter -72224-10-17 14:23 J -24658103.12 -24658102.90 -24658102.68 0.0529 0.0258
 Saturn -72221-12-25 22:47 J -24656937.77 -24656937.55 -24656937.30 0.0288 0.0178
 Saturn -72209-12-29 05:45 J -24652551.41 -24652551.26 -24652551.09 0.0280 0.0228
 Neptune -72206-11-10 00:42 J -24651505.71 -24651505.47 -24651505.17 0.0088 0.0054
 Neptune -72204-10-06 00:28 J -24650809.78 -24650809.48 -24650809.14 0.0088 0.0028
 Uranus -72196-10-26 09:49 J -24647867.28 -24647867.09 -24647866.87 0.0132 0.0089
 Uranus -72194-09-24 13:40 J -24647169.20 -24647168.93 -24647168.65 0.0132 0.0017
 Saturn -72192-02-07 21:21 J -24646666.71 -24646666.61 -24646666.47 0.0282 0.0260
 Uranus -72192-08-22 16:33 J -24646471.05 -24646470.81 -24646470.55 0.0133 0.0057
 Uranus -72190-07-21 21:35 J -24645772.63 -24645772.60 -24645772.52 0.0133 0.0131
 Pluto -72185-03-03 20:23 J -24644085.98 -24644085.65 -24644085.28 0.0066 0.0015
 Saturn -72178-02-16 10:04 J -24641545.36 -24641545.08 -24641544.80 0.0277 0.0026
 Saturn -72162-04-01 15:49 J -24635657.14 -24635656.84 -24635656.53 0.0285 0.0023
 Uranus -72153-02-20 00:57 J -24632410.79 -24632410.46 -24632410.12 0.0146 0.0035
 Uranus -72151-01-28 22:47 J -24631701.78 -24631701.55 -24631701.26 0.0146 0.0095
 Saturn -72148-04-05 08:23 J -24630539.36 -24630539.15 -24630538.92 0.0274 0.0172
 Saturn -72132-05-23 05:16 J -24624647.44 -24624647.28 -24624647.08 0.0288 0.0230
 Neptune -72124-07-23 06:42 J -24621664.32 -24621664.22 -24621664.05 0.0089 0.0079
 Neptune -72122-06-17 01:40 J -24620970.71 -24620970.43 -24620970.13 0.0089 0.0010
 Neptune -72120-05-10 20:23 J -24620276.84 -24620276.65 -24620276.41 0.0089 0.0060
 Saturn -72120-05-26 05:16 J -24620261.48 -24620261.28 -24620261.08 0.0280 0.0191
 Uranus -72111-06-20 05:30 J -24616949.51 -24616949.27 -24616949.01 0.0132 0.0060

Uranus -72109-05-18 08:09 J -24616251.43 -24616251.16 -24616250.88 0.0132 0.0014
 Uranus -72107-04-16 12:13 J -24615553.20 -24615552.99 -24615552.78 0.0133 0.0087
 Jupiter -72105-04-07 16:33 J -24614831.03 -24614830.81 -24614830.58 0.0530 0.0216
 Saturn -72104-07-06 04:47 J -24614376.48 -24614376.30 -24614376.10 0.0283 0.0220
 Saturn -72090-07-14 00:57 J -24609255.74 -24609255.46 -24609255.17 0.0276 0.0011
 Jupiter -72087-03-17 15:06 J -24608278.16 -24608277.87 -24608277.57 0.0496 0.0126
 Saturn -72074-08-27 21:06 J -24603366.92 -24603366.62 -24603366.32 0.0286 0.0028
 Uranus -72071-11-08 05:45 J -24602198.45 -24602198.26 -24602198.01 0.0147 0.0114
 Jupiter -72069-01-10 20:37 J -24601769.79 -24601769.64 -24601769.47 0.0529 0.0406
 Uranus -72069-10-17 04:47 J -24601489.64 -24601489.30 -24601488.95 0.0146 0.0018
 Saturn -72060-08-31 08:23 J -24598249.32 -24598249.15 -24598248.96 0.0273 0.0211
 Saturn -72044-10-18 11:01 J -24592357.14 -24592357.04 -24592356.93 0.0289 0.0269
 Neptune -72042-06-23 22:18 J -24591743.60 -24591743.57 -24591743.45 0.0088 0.0087
 Neptune -72040-05-20 00:42 J -24591047.81 -24591047.47 -24591047.13 0.0088 0.0006
 Neptune -72038-04-15 22:33 J -24590351.72 -24590351.56 -24590351.35 0.0088 0.0074
 Saturn -72032-10-20 21:49 J -24587971.81 -24587971.59 -24587971.35 0.0279 0.0154
 Uranus -72028-03-15 18:42 J -24586729.86 -24586729.72 -24586729.53 0.0132 0.0105
 Uranus -72026-02-11 22:18 J -24586031.83 -24586031.57 -24586031.29 0.0132 0.0031
 Uranus -72024-01-10 00:42 J -24585333.72 -24585333.47 -24585333.20 0.0133 0.0043
 Uranus -72023-12-09 05:45 J -24584635.36 -24584635.26 -24584635.11 0.0133 0.0119
 Saturn -72016-12-01 01:25 J -24582086.67 -24582086.44 -24582086.19 0.0283 0.0177
 Saturn -72002-12-09 00:28 J -24576965.75 -24576965.48 -24576965.19 0.0276 0.0046

72ND MILLENNIUM BCE

This is a list of transits of Mars in the 72nd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-71986-07-06 03:21 J	-24571277.65	-24571277.36	-24571277.02	0.0147	0.0064		
Saturn	-71985-01-22 17:16 J	-24571077.08	-24571076.78	-24571076.49	0.0287	0.0062		
Uranus	-71984-06-14 04:04 J	-24570568.63	-24570568.33	-24570568.03	0.0146	0.0070		
Saturn	-71971-01-25 21:35 J	-24565959.71	-24565959.60	-24565959.46	0.0273	0.0244		
Jupiter	-71969-09-02 05:59 J	-24565009.43	-24565009.25	-24565009.05	0.0496	0.0388		
Neptune	-71958-01-30 15:35 J	-24561207.10	-24561206.85	-24561206.57	0.0089	0.0038		
Neptune	-71957-12-24 09:49 J	-24560513.35	-24560513.09	-24560512.81	0.0089	0.0031		
Jupiter	-71951-07-02 02:23 J	-24558497.65	-24558497.40	-24558497.16	0.0529	0.0053		
Uranus	-71944-11-07 12:13 J	-24555812.22	-24555811.99	-24555811.76	0.0132	0.0076		
Saturn	-71943-03-17 16:47 J	-24555682.05	-24555681.80	-24555681.55	0.0279	0.0124		
Uranus	-71942-10-06 14:09 J	-24555114.18	-24555113.91	-24555113.63	0.0132	0.0002		
Uranus	-71940-09-03 17:45 J	-24554415.97	-24554415.76	-24554415.51	0.0133	0.0074		
Pluto	-71937-06-10 04:04 J	-24553405.65	-24553405.33	-24553404.99	0.0066	0.0025		
Jupiter	-71933-06-10 04:18 J	-24551944.53	-24551944.32	-24551944.09	0.0497	0.0341		
Saturn	-71927-04-27 09:21 J	-24549797.36	-24549797.11	-24549796.85	0.0284	0.0152		
Saturn	-71913-05-04 08:23 J	-24544676.42	-24544676.15	-24544675.87	0.0275	0.0076		
Uranus	-71901-03-01 17:30 J	-24540357.11	-24540356.77	-24540356.42	0.0147	0.0014		
Uranus	-71899-02-08 17:45 J	-24539647.95	-24539647.76	-24539647.55	0.0146	0.0119		
Saturn	-71897-06-17 11:16 J	-24538788.31	-24538788.03	-24538787.74	0.0286	0.0089		
Saturn	-71883-06-22 06:57 J	-24533670.25	-24533670.21	-24533670.15	0.0273	0.0268		
Neptune	-71877-12-31 20:23 J	-24531285.93	-24531285.65	-24531285.32	0.0088	0.0040		
Neptune	-71875-11-27 21:35 J	-24530589.89	-24530589.60	-24530589.29	0.0088	0.0041		
Uranus	-71861-08-03 00:57 J	-24525592.54	-24525592.46	-24525592.33	0.0131	0.0122		
Uranus	-71859-07-02 03:49 J	-24524894.59	-24524894.34	-24524894.08	0.0132	0.0047		
Uranus	-71857-05-30 06:57 J	-24524196.47	-24524196.21	-24524195.93	0.0132	0.0028		
Uranus	-71855-04-28 11:01 J	-24523498.19	-24523498.04	-24523497.85	0.0133	0.0104		
Saturn	-71855-08-11 15:06 J	-24523393.13	-24523392.87	-24523392.61	0.0278	0.0099		

Saturn -71839-09-20 11:01 J -24517509.29 -24517509.04 -24517508.76 0.0283 0.0138
 Jupiter -71833-12-21 21:35 J -24515224.71 -24515224.60 -24515224.48 0.0529 0.0467
 Saturn -71825-09-28 05:59 J -24512387.51 -24512387.25 -24512386.98 0.0276 0.0092
 Uranus -71819-11-18 06:57 J -24510145.45 -24510145.21 -24510144.95 0.0147 0.0099
 Uranus -71817-10-27 06:42 J -24509436.54 -24509436.22 -24509435.87 0.0146 0.0037
 Jupiter -71815-11-27 12:42 J -24508675.27 -24508674.97 -24508674.67 0.0497 0.0129
 Saturn -71809-11-10 16:04 J -24506500.11 -24506499.83 -24506499.54 0.0287 0.0098
 Jupiter -71797-09-25 03:21 J -24502163.60 -24502163.36 -24502163.12 0.0530 0.0150
 Neptune -71795-09-15 07:54 J -24501443.34 -24501443.17 -24501442.95 0.0089 0.0066
 Neptune -71793-08-08 23:30 J -24500749.81 -24500749.52 -24500749.23 0.0089 0.0002
 Neptune -71791-07-03 17:45 J -24500055.92 -24500055.76 -24500055.57 0.0089 0.0071
 Uranus -71776-03-27 19:25 J -24494674.89 -24494674.69 -24494674.49 0.0132 0.0092
 Uranus -71774-02-23 23:16 J -24493976.80 -24493976.53 -24493976.25 0.0132 0.0017
 Uranus -71772-01-22 02:52 J -24493278.61 -24493278.38 -24493278.11 0.0132 0.0060
 Saturn -71766-01-05 00:13 J -24491104.75 -24491104.49 -24491104.23 0.0279 0.0092
 Saturn -71750-02-13 03:35 J -24485221.62 -24485221.35 -24485221.08 0.0283 0.0134
 Saturn -71736-02-21 08:23 J -24480099.41 -24480099.15 -24480098.88 0.0275 0.0105
 Uranus -71734-07-16 01:25 J -24479224.76 -24479224.44 -24479224.11 0.0147 0.0048
 Uranus -71732-06-24 01:25 J -24478515.70 -24478515.44 -24478515.15 0.0146 0.0088
 Saturn -71720-04-04 17:59 J -24474213.03 -24474212.75 -24474212.46 0.0286 0.0098
 Neptune -71713-08-14 14:37 J -24471524.06 -24471523.89 -24471523.68 0.0088 0.0073
 Neptune -71711-07-11 18:13 J -24470828.07 -24470827.74 -24470827.39 0.0088 0.0007
 Neptune -71709-06-06 17:30 J -24470131.80 -24470131.77 -24470131.65 0.0088 0.0087
 Uranus -71692-11-19 14:23 J -24463757.14 -24463756.90 -24463756.65 0.0132 0.0062
 Uranus -71690-10-18 18:42 J -24463058.99 -24463058.72 -24463058.44 0.0132 0.0014
 Pluto -71689-09-16 15:06 J -24462725.17 -24462724.87 -24462724.53 0.0066 0.0028
 Uranus -71688-09-15 21:35 J -24462360.80 -24462360.60 -24462360.40 0.0133 0.0091
 Jupiter -71678-03-18 11:59 J -24458890.22 -24458890.00 -24458889.77 0.0529 0.0230
 Saturn -71678-05-30 19:25 J -24458816.95 -24458816.69 -24458816.42 0.0279 0.0085
 Saturn -71662-07-07 23:16 J -24452934.79 -24452934.53 -24452934.26 0.0282 0.0140

Jupiter -71660-02-21 15:49 J -24452340.13 -24452339.84 -24452339.56 0.0496 0.0174
 Uranus -71651-04-03 08:23 J -24449012.30 -24449012.15 -24449011.98 0.0147 0.0130
 Uranus -71649-03-12 06:13 J -24448303.58 -24448303.24 -24448302.89 0.0147 0.0008
 Saturn -71648-07-17 01:11 J -24447811.71 -24447811.45 -24447811.18 0.0276 0.0103
 Uranus -71647-02-19 05:01 J -24447594.32 -24447594.29 -24447594.20 0.0146 0.0144
 Jupiter -71643-12-21 02:09 J -24445828.55 -24445828.41 -24445828.26 0.0529 0.0422
 Saturn -71632-08-28 00:42 J -24441925.76 -24441925.47 -24441925.18 0.0285 0.0096
 Neptune -71629-03-24 14:37 J -24440986.15 -24440985.89 -24440985.60 0.0089 0.0027
 Neptune -71627-02-16 05:59 J -24440292.48 -24440292.25 -24440291.97 0.0089 0.0042
 Saturn -71620-09-05 04:33 J -24437534.34 -24437534.31 -24437534.26 0.0282 0.0279
 Uranus -71609-08-15 07:11 J -24433537.36 -24433537.20 -24433537.03 0.0132 0.0107
 Uranus -71607-07-14 12:13 J -24432839.25 -24432838.99 -24432838.71 0.0132 0.0031
 Uranus -71605-06-11 15:06 J -24432141.12 -24432140.87 -24432140.61 0.0132 0.0047
 Uranus -71603-05-10 18:13 J -24431442.82 -24431442.74 -24431442.62 0.0133 0.0124
 Saturn -71590-10-23 06:57 J -24426529.47 -24426529.21 -24426528.94 0.0280 0.0089
 Saturn -71574-11-30 08:23 J -24420647.42 -24420647.15 -24420646.88 0.0282 0.0137
 Uranus -71567-11-29 16:18 J -24418091.10 -24418090.82 -24418090.51 0.0147 0.0074
 Uranus -71565-11-07 14:37 J -24417382.18 -24417381.89 -24417381.56 0.0146 0.0065
 Saturn -71560-12-09 16:33 J -24415524.06 -24415523.81 -24415523.54 0.0277 0.0111
 Neptune -71547-02-22 10:33 J -24411066.38 -24411066.06 -24411065.73 0.0088 0.0027
 Neptune -71545-01-19 12:13 J -24410370.23 -24410369.99 -24410369.68 0.0088 0.0053
 Saturn -71543-01-20 00:57 J -24409638.74 -24409638.46 -24409638.17 0.0285 0.0092
 Jupiter -71542-08-11 12:42 J -24409070.22 -24409069.97 -24409069.70 0.0497 0.0268
 Saturn -71531-01-28 16:18 J -24405246.84 -24405246.82 -24405246.79 0.0283 0.0282
 Uranus -71524-04-09 04:47 J -24402619.53 -24402619.30 -24402619.07 0.0132 0.0076
 Jupiter -71524-06-12 14:23 J -24402555.15 -24402554.90 -24402554.65 0.0529 0.0049
 Uranus -71522-03-08 08:37 J -24401921.41 -24401921.14 -24401920.86 0.0132 0.0002
 Uranus -71520-02-03 10:47 J -24401223.25 -24401223.05 -24401222.80 0.0133 0.0080
 Jupiter -71506-05-19 12:42 J -24396005.08 -24396004.97 -24396004.85 0.0497 0.0459
 Saturn -71501-03-17 02:37 J -24394241.65 -24394241.39 -24394241.11 0.0280 0.0081

Saturn -71485-04-23 20:23 J -24388359.91 -24388359.65 -24388359.36 0.0281 0.0135
 Uranus -71482-07-28 00:42 J -24387169.80 -24387169.47 -24387169.12 0.0147 0.0018
 Uranus -71480-07-05 23:45 J -24386460.67 -24386460.51 -24386460.29 0.0146 0.0123
 Saturn -71471-05-04 10:47 J -24383236.30 -24383236.05 -24383235.78 0.0278 0.0114
 Neptune -71466-11-08 04:18 J -24381222.53 -24381222.32 -24381222.08 0.0089 0.0055
 Neptune -71464-10-01 20:09 J -24380528.94 -24380528.66 -24380528.37 0.0089 0.0012
 Neptune -71462-08-26 12:28 J -24379835.09 -24379834.98 -24379834.84 0.0089 0.0080
 Saturn -71455-06-15 05:45 J -24377350.53 -24377350.26 -24377349.97 0.0284 0.0109
 Saturn -71443-06-23 20:52 J -24372958.71 -24372958.63 -24372958.55 0.0284 0.0269
 Uranus -71441-01-03 20:37 J -24372399.72 -24372399.64 -24372399.52 0.0131 0.0123
 Pluto -71441-12-24 15:06 J -24372044.22 -24372043.87 -24372043.51 0.0066 0.0002
 Uranus -71440-12-02 01:11 J -24371701.70 -24371701.45 -24371701.18 0.0132 0.0045
 Uranus -71438-10-31 03:35 J -24371003.62 -24371003.35 -24371003.08 0.0132 0.0033
 Uranus -71436-09-28 07:25 J -24370305.34 -24370305.19 -24370305.04 0.0133 0.0111
 Saturn -71413-08-10 04:18 J -24361953.59 -24361953.32 -24361953.05 0.0281 0.0071
 Jupiter -71406-12-03 18:57 J -24359281.89 -24359281.71 -24359281.52 0.0529 0.0348
 Uranus -71399-04-15 03:06 J -24356957.58 -24356957.37 -24356957.10 0.0147 0.0104
 Uranus -71397-03-24 01:40 J -24356248.75 -24356248.43 -24356248.08 0.0147 0.0038
 Saturn -71397-09-17 17:01 J -24356071.07 -24356070.79 -24356070.50 0.0281 0.0105
 Jupiter -71388-11-04 15:21 J -24352736.17 -24352735.86 -24352735.56 0.0497 0.0030
 Neptune -71384-10-05 23:30 J -24351304.74 -24351304.52 -24351304.25 0.0088 0.0062
 Saturn -71383-09-28 00:42 J -24350947.71 -24350947.47 -24350947.21 0.0278 0.0135
 Neptune -71382-09-02 04:33 J -24350608.63 -24350608.31 -24350607.96 0.0088 0.0018
 Jupiter -71370-09-06 15:35 J -24346221.07 -24346220.85 -24346220.63 0.0529 0.0247
 Saturn -71367-11-09 00:57 J -24345061.72 -24345061.46 -24345061.18 0.0284 0.0130
 Uranus -71357-08-27 16:33 J -24341482.01 -24341481.81 -24341481.61 0.0131 0.0092
 Uranus -71355-07-26 19:11 J -24340783.97 -24340783.70 -24340783.42 0.0132 0.0014
 Saturn -71355-11-17 08:23 J -24340670.26 -24340670.15 -24340670.01 0.0284 0.0252
 Uranus -71353-06-23 22:04 J -24340085.82 -24340085.58 -24340085.33 0.0132 0.0065
 Saturn -71324-01-04 06:57 J -24329664.48 -24329664.21 -24329663.93 0.0281 0.0044

Uranus -71315-12-10 20:23 J -24326036.96 -24326036.65 -24326036.32 0.0147 0.0051
 Uranus -71313-11-18 19:25 J -24325327.94 -24325327.69 -24325327.40 0.0147 0.0092
 Saturn -71308-02-12 05:16 J -24323781.58 -24323781.28 -24323780.98 0.0281 0.0074
 Neptune -71302-06-23 18:57 J -24321458.78 -24321458.71 -24321458.60 0.0089 0.0084
 Neptune -71300-05-17 08:37 J -24320765.42 -24320765.14 -24320764.86 0.0089 0.0017
 Neptune -71298-04-10 23:59 J -24320071.72 -24320071.50 -24320071.24 0.0089 0.0050
 Saturn -71294-02-21 23:59 J -24318658.72 -24318658.50 -24318658.26 0.0278 0.0161
 Saturn -71278-04-05 23:59 J -24312771.73 -24312771.50 -24312771.25 0.0284 0.0177
 Uranus -71272-04-21 12:28 J -24310564.22 -24310563.98 -24310563.72 0.0131 0.0061
 Uranus -71270-03-20 16:33 J -24309866.09 -24309865.81 -24309865.54 0.0132 0.0018
 Uranus -71268-02-15 19:54 J -24309167.85 -24309167.67 -24309167.47 0.0132 0.0097
 Saturn -71266-04-13 21:49 J -24308380.75 -24308380.59 -24308380.40 0.0284 0.0220
 Jupiter -71251-02-26 02:52 J -24302948.61 -24302948.38 -24302948.15 0.0529 0.0202
 Saturn -71250-05-19 12:42 J -24302501.02 -24302500.97 -24302500.88 0.0279 0.0271
 Saturn -71236-05-31 16:18 J -24297375.10 -24297374.82 -24297374.54 0.0280 0.0011
 Jupiter -71233-01-28 11:45 J -24296403.30 -24296403.01 -24296402.71 0.0497 0.0139
 Uranus -71232-08-28 17:16 J -24295824.86 -24295824.78 -24295824.66 0.0147 0.0141
 Uranus -71230-08-07 13:40 J -24295116.27 -24295115.93 -24295115.58 0.0147 0.0003
 Uranus -71228-07-16 12:28 J -24294407.01 -24294406.98 -24294406.90 0.0146 0.0145
 Saturn -71220-07-10 12:57 J -24291491.26 -24291490.96 -24291490.65 0.0281 0.0023
 Neptune -71218-04-15 16:18 J -24290847.14 -24290846.82 -24290846.47 0.0088 0.0018
 Neptune -71216-03-11 20:09 J -24290150.87 -24290150.66 -24290150.38 0.0088 0.0062
 Jupiter -71216-11-30 04:04 J -24289887.47 -24289887.33 -24289887.16 0.0529 0.0409
 Saturn -71206-07-19 20:37 J -24286368.83 -24286368.64 -24286368.44 0.0277 0.0198
 Pluto -71192-04-02 21:49 J -24281362.84 -24281362.59 -24281362.27 0.0066 0.0039
 Saturn -71190-09-01 08:52 J -24280481.31 -24280481.13 -24280480.92 0.0285 0.0220
 Uranus -71189-01-16 05:30 J -24280344.42 -24280344.27 -24280344.10 0.0131 0.0108
 Uranus -71188-12-14 09:49 J -24279646.35 -24279646.09 -24279645.81 0.0132 0.0029
 Uranus -71186-11-12 13:11 J -24278948.19 -24278947.95 -24278947.68 0.0132 0.0051
 Uranus -71184-10-10 15:35 J -24278249.88 -24278249.85 -24278249.78 0.0132 0.0130

Saturn -71178-09-08 13:25 J -24276091.14 -24276090.94 -24276090.72 0.0283 0.0182
 Saturn -71162-10-14 20:37 J -24270210.82 -24270210.64 -24270210.44 0.0279 0.0221
 Saturn -71148-10-26 17:01 J -24265085.06 -24265084.79 -24265084.51 0.0280 0.0028
 Uranus -71147-04-25 17:01 J -24264904.05 -24264903.79 -24264903.49 0.0147 0.0086
 Uranus -71145-04-03 13:54 J -24264195.21 -24264194.92 -24264194.58 0.0147 0.0059
 Neptune -71137-12-30 22:04 J -24261001.81 -24261001.58 -24261001.32 0.0089 0.0047
 Neptune -71135-11-24 11:16 J -24260308.30 -24260308.03 -24260307.73 0.0089 0.0020
 Neptune -71133-10-18 02:37 J -24259614.42 -24259614.39 -24259614.31 0.0089 0.0087
 Saturn -71132-12-05 21:21 J -24259200.91 -24259200.61 -24259200.30 0.0282 0.0020
 Saturn -71118-12-14 14:09 J -24254079.06 -24254078.91 -24254078.76 0.0276 0.0235
 Jupiter -71115-07-15 14:37 J -24253135.07 -24253134.89 -24253134.70 0.0496 0.0398
 Uranus -71105-09-09 05:01 J -24249426.52 -24249426.29 -24249426.06 0.0131 0.0075
 Uranus -71103-08-08 10:04 J -24248728.36 -24248728.08 -24248727.80 0.0132 0.0005
 Saturn -71101-01-27 11:59 J -24248191.10 -24248191.00 -24248190.90 0.0285 0.0269
 Uranus -71101-07-06 12:28 J -24248030.18 -24248029.98 -24248029.76 0.0132 0.0084
 Jupiter -71097-05-21 09:06 J -24246615.36 -24246615.12 -24246614.87 0.0529 0.0053
 Saturn -71089-02-03 15:06 J -24243801.10 -24243800.87 -24243800.63 0.0283 0.0146
 Jupiter -71079-04-22 15:06 J -24240070.09 -24240069.87 -24240069.63 0.0497 0.0331
 Saturn -71073-03-10 21:35 J -24237920.84 -24237920.60 -24237920.37 0.0280 0.0185
 Uranus -71063-12-22 01:54 J -24233982.75 -24233982.42 -24233982.07 0.0147 0.0027
 Uranus -71061-11-29 23:16 J -24233273.71 -24233273.53 -24233273.30 0.0147 0.0118
 Saturn -71059-03-23 09:49 J -24232795.36 -24232795.09 -24232794.82 0.0279 0.0065
 Neptune -71055-11-26 22:33 J -24231085.81 -24231085.56 -24231085.27 0.0088 0.0054
 Neptune -71053-10-23 05:30 J -24230389.58 -24230389.27 -24230388.93 0.0088 0.0026
 Saturn -71043-05-02 12:13 J -24226911.28 -24226910.99 -24226910.68 0.0283 0.0060
 Saturn -71029-05-10 10:04 J -24221789.14 -24221789.08 -24221788.99 0.0276 0.0267
 Uranus -71022-06-05 22:47 J -24219206.63 -24219206.55 -24219206.43 0.0131 0.0122
 Uranus -71020-05-04 05:16 J -24218508.53 -24218508.28 -24218508.00 0.0132 0.0043
 Uranus -71018-04-02 09:06 J -24217810.37 -24217810.12 -24217809.84 0.0132 0.0039
 Uranus -71016-02-28 11:59 J -24217112.11 -24217112.00 -24217111.87 0.0132 0.0119

Saturn -71001-06-30 02:52 J -24211511.62 -24211511.38 -24211511.12 0.0282 0.0113

71ST MILLENNIUM BCE

This is a list of transits of Mars in the 71st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-70985-08-04 20:09 J	-24205631.90	-24205631.66	-24205631.39	0.0280	0.0159		
Uranus	-70980-09-09 19:54 J	-24203769.86	-24203769.67	-24203769.42	0.0148	0.0113		
Jupiter	-70979-11-10 21:49 J	-24203342.68	-24203342.59	-24203342.49	0.0529	0.0488		
Uranus	-70978-08-19 14:23 J	-24203061.22	-24203060.90	-24203060.55	0.0147	0.0034		
Neptune	-70973-08-15 09:49 J	-24201238.22	-24201238.09	-24201237.92	0.0089	0.0076		
Neptune	-70971-07-09 23:30 J	-24200544.80	-24200544.52	-24200544.22	0.0089	0.0011		
Saturn	-70971-08-17 21:06 J	-24200505.87	-24200505.62	-24200505.35	0.0279	0.0090		
Neptune	-70969-06-02 13:25 J	-24199851.14	-24199850.94	-24199850.69	0.0089	0.0056		
Jupiter	-70961-10-08 05:16 J	-24196801.57	-24196801.28	-24196800.99	0.0497	0.0176		
Saturn	-70955-09-26 11:16 J	-24194622.32	-24194622.03	-24194621.73	0.0283	0.0080		
Jupiter	-70943-08-14 22:33 J	-24190281.80	-24190281.56	-24190281.32	0.0529	0.0112		
Uranus	-70937-01-29 02:09 J	-24188288.59	-24188288.41	-24188288.18	0.0131	0.0090		
Uranus	-70936-12-27 07:25 J	-24187590.47	-24187590.19	-24187589.91	0.0132	0.0008		
Uranus	-70934-11-25 09:35 J	-24186892.32	-24186892.10	-24186891.86	0.0132	0.0073		
Saturn	-70913-11-24 03:21 J	-24179222.62	-24179222.36	-24179222.10	0.0282	0.0096		
Saturn	-70897-12-29 03:49 J	-24173343.60	-24173343.34	-24173343.07	0.0280	0.0147		
Uranus	-70895-05-08 06:28 J	-24172848.55	-24172848.23	-24172847.91	0.0147	0.0054		
Uranus	-70893-04-16 03:21 J	-24172139.60	-24172139.36	-24172139.07	0.0147	0.0094		

Neptune -70889-06-05 11:45 J -24170628.35 -24170628.01 -24170627.67 0.0088 0.0011
 Neptune -70887-05-02 17:30 J -24169931.98 -24169931.77 -24169931.53 0.0088 0.0067
 Saturn -70882-01-11 14:09 J -24168217.16 -24168216.91 -24168216.65 0.0279 0.0111
 Saturn -70866-02-19 03:21 J -24162334.65 -24162334.36 -24162334.06 0.0283 0.0087
 Uranus -70853-09-22 02:09 J -24157370.66 -24157370.41 -24157370.15 0.0131 0.0056
 Uranus -70851-08-21 05:16 J -24156672.55 -24156672.28 -24156672.00 0.0132 0.0025
 Uranus -70849-07-19 08:23 J -24155974.31 -24155974.15 -24155973.98 0.0132 0.0106
 Jupiter -70824-02-04 03:21 J -24147008.56 -24147008.36 -24147008.15 0.0529 0.0280
 Saturn -70824-04-19 11:01 J -24146934.30 -24146934.04 -24146933.78 0.0282 0.0082
 Uranus -70812-01-24 14:23 J -24142635.94 -24142635.90 -24142635.80 0.0148 0.0145
 Uranus -70810-01-03 08:23 J -24141927.49 -24141927.15 -24141926.81 0.0147 0.0003
 Saturn -70808-05-23 09:06 J -24141056.38 -24141056.12 -24141055.85 0.0279 0.0147
 Neptune -70807-02-22 09:21 J -24140781.34 -24140781.11 -24140780.83 0.0089 0.0041
 Jupiter -70806-01-02 22:04 J -24140466.88 -24140466.58 -24140466.27 0.0497 0.0103
 Neptune -70805-01-16 23:16 J -24140087.79 -24140087.53 -24140087.24 0.0089 0.0025
 Saturn -70794-06-06 18:28 J -24135928.99 -24135928.73 -24135928.48 0.0280 0.0115
 Jupiter -70789-11-08 13:54 J -24133947.10 -24133946.92 -24133946.74 0.0528 0.0357
 Saturn -70778-07-14 14:37 J -24130047.18 -24130046.89 -24130046.60 0.0282 0.0088
 Uranus -70770-06-18 21:06 J -24127150.77 -24127150.62 -24127150.43 0.0131 0.0105
 Uranus -70768-05-17 01:54 J -24126452.69 -24126452.42 -24126452.14 0.0131 0.0023
 Uranus -70766-04-15 05:16 J -24125754.51 -24125754.28 -24125754.02 0.0132 0.0059
 Saturn -70766-07-27 02:23 J -24125651.44 -24125651.40 -24125651.34 0.0286 0.0281
 Saturn -70736-09-12 05:16 J -24114646.53 -24114646.28 -24114646.01 0.0283 0.0083
 Uranus -70728-09-21 10:18 J -24111715.33 -24111715.07 -24111714.80 0.0148 0.0090
 Uranus -70726-08-31 05:59 J -24111006.54 -24111006.25 -24111005.92 0.0147 0.0061
 Neptune -70725-01-17 12:28 J -24110867.24 -24110866.98 -24110866.66 0.0088 0.0050
 Neptune -70724-12-13 20:52 J -24110170.94 -24110170.63 -24110170.29 0.0088 0.0030
 Saturn -70720-10-15 18:13 J -24108769.01 -24108768.74 -24108768.47 0.0278 0.0144
 Saturn -70706-10-30 11:45 J -24103641.25 -24103641.01 -24103640.75 0.0280 0.0123
 Saturn -70690-12-06 11:45 J -24097760.30 -24097760.01 -24097759.70 0.0282 0.0084

Jupiter -70688-06-21 17:16 J -24097197.00 -24097196.78 -24097196.54 0.0497 0.0339
 Uranus -70685-02-10 22:33 J -24096232.79 -24096232.56 -24096232.32 0.0131 0.0071
 Uranus -70683-01-09 03:06 J -24095534.65 -24095534.37 -24095534.09 0.0131 0.0011
 Uranus -70682-12-08 06:13 J -24094836.42 -24094836.24 -24094836.03 0.0132 0.0094
 Saturn -70678-12-19 14:23 J -24093363.92 -24093363.90 -24093363.86 0.0287 0.0285
 Jupiter -70670-05-02 06:57 J -24090673.46 -24090673.21 -24090672.97 0.0528 0.0007
 Jupiter -70652-03-29 23:30 J -24084131.70 -24084131.52 -24084131.33 0.0498 0.0399
 Saturn -70647-02-04 21:21 J -24082358.87 -24082358.61 -24082358.34 0.0283 0.0077
 Neptune -70644-10-07 20:52 J -24081017.78 -24081017.63 -24081017.43 0.0089 0.0071
 Uranus -70643-05-19 06:13 J -24080794.57 -24080794.24 -24080793.90 0.0148 0.0034
 Neptune -70642-09-01 08:09 J -24080324.44 -24080324.16 -24080323.87 0.0089 0.0006
 Uranus -70641-04-27 04:33 J -24080085.51 -24080085.31 -24080085.10 0.0147 0.0118
 Neptune -70640-07-25 21:21 J -24079630.79 -24079630.61 -24079630.37 0.0089 0.0060
 Saturn -70631-03-09 20:37 J -24076481.89 -24076481.64 -24076481.36 0.0278 0.0146
 Saturn -70617-03-24 00:28 J -24071353.73 -24071353.48 -24071353.23 0.0281 0.0122
 Pluto -70610-05-30 19:54 J -24068729.95 -24068729.67 -24068729.39 0.0078 0.0015
 Uranus -70603-11-06 17:45 J -24066012.85 -24066012.76 -24066012.62 0.0131 0.0120
 Saturn -70601-04-30 03:21 J -24065472.64 -24065472.36 -24065472.06 0.0281 0.0094
 Uranus -70601-10-05 00:57 J -24065314.73 -24065314.46 -24065314.19 0.0131 0.0036
 Uranus -70599-09-03 05:59 J -24064616.51 -24064616.25 -24064615.99 0.0131 0.0047
 Uranus -70597-08-01 08:09 J -24063918.20 -24063918.16 -24063918.10 0.0132 0.0129
 Saturn -70589-05-13 07:40 J -24061076.23 -24061076.18 -24061076.11 0.0287 0.0280
 Neptune -70562-08-30 10:18 J -24051106.09 -24051106.07 -24051105.97 0.0088 0.0088
 Uranus -70560-02-04 22:04 J -24050581.74 -24050581.58 -24050581.38 0.0148 0.0124
 Neptune -70560-07-26 21:49 J -24050409.92 -24050409.59 -24050409.24 0.0088 0.0009
 Saturn -70559-06-30 11:16 J -24050071.29 -24050071.03 -24050070.76 0.0284 0.0076
 Uranus -70558-01-14 14:37 J -24049873.22 -24049872.89 -24049872.54 0.0148 0.0028
 Neptune -70558-06-23 04:47 J -24049713.48 -24049713.30 -24049713.06 0.0088 0.0070
 Jupiter -70552-10-22 20:23 J -24047399.81 -24047399.65 -24047399.47 0.0528 0.0374
 Saturn -70543-08-02 23:01 J -24044193.81 -24044193.54 -24044193.25 0.0277 0.0126

Jupiter -70534-09-16 08:52 J -24040862.44 -24040862.13 -24040861.83 0.0498 0.0071
 Saturn -70529-08-16 23:01 J -24039065.78 -24039065.54 -24039065.29 0.0281 0.0134
 Uranus -70518-07-01 21:49 J -24035094.79 -24035094.59 -24035094.36 0.0131 0.0085
 Uranus -70516-05-30 05:01 J -24034396.57 -24034396.29 -24034396.01 0.0131 0.0002
 Jupiter -70516-07-26 17:59 J -24034338.97 -24034338.75 -24034338.52 0.0528 0.0222
 Uranus -70514-04-28 08:23 J -24033698.35 -24033698.15 -24033697.92 0.0132 0.0083
 Saturn -70513-09-23 02:52 J -24033184.66 -24033184.38 -24033184.08 0.0281 0.0104
 Saturn -70501-10-06 02:52 J -24028788.45 -24028788.38 -24028788.28 0.0288 0.0273
 Neptune -70478-04-16 17:59 J -24020561.00 -24020560.75 -24020560.48 0.0089 0.0037
 Neptune -70476-03-10 05:16 J -24019867.55 -24019867.28 -24019867.00 0.0089 0.0028
 Uranus -70476-10-03 09:49 J -24019660.39 -24019660.09 -24019659.77 0.0148 0.0063
 Uranus -70474-09-12 04:18 J -24018951.58 -24018951.32 -24018951.04 0.0147 0.0091
 Saturn -70471-11-23 19:11 J -24017782.96 -24017782.70 -24017782.43 0.0284 0.0060
 Saturn -70455-12-27 12:57 J -24011905.24 -24011904.96 -24011904.66 0.0277 0.0107
 Pluto -70449-03-06 10:18 J -24010009.38 -24010009.07 -24010008.72 0.0066 0.0025
 Saturn -70440-01-10 05:45 J -24006777.48 -24006777.26 -24006777.01 0.0281 0.0150
 Uranus -70433-02-24 05:30 J -24004176.53 -24004176.27 -24004176.01 0.0131 0.0049
 Uranus -70431-01-22 10:33 J -24003478.31 -24003478.06 -24003477.78 0.0131 0.0036
 Uranus -70430-12-21 12:28 J -24002780.07 -24002779.98 -24002779.85 0.0132 0.0120
 Saturn -70424-02-17 05:59 J -24000895.50 -24000895.25 -24000894.97 0.0280 0.0140
 Saturn -70412-03-01 23:01 J -23996499.67 -23996499.54 -23996499.41 0.0288 0.0251
 Jupiter -70397-01-16 16:33 J -23991066.04 -23991065.81 -23991065.58 0.0528 0.0195
 Neptune -70396-03-08 18:28 J -23990649.01 -23990648.73 -23990648.42 0.0088 0.0047
 Neptune -70394-02-03 04:18 J -23989952.62 -23989952.32 -23989951.98 0.0088 0.0032
 Uranus -70391-06-01 04:47 J -23988738.64 -23988738.30 -23988737.96 0.0148 0.0002
 Saturn -70382-04-19 13:11 J -23985494.22 -23985493.95 -23985493.68 0.0284 0.0035
 Jupiter -70380-12-09 19:11 J -23984529.00 -23984528.70 -23984528.40 0.0497 0.0130
 Saturn -70366-05-24 05:59 J -23979615.55 -23979615.25 -23979614.94 0.0277 0.0063
 Jupiter -70362-10-20 18:13 J -23978004.89 -23978004.74 -23978004.59 0.0528 0.0412
 Saturn -70352-06-06 12:57 J -23974488.16 -23974487.96 -23974487.73 0.0281 0.0179

Uranus -70351-11-20 02:37 J -23973956.55 -23973956.39 -23973956.18 0.0131 0.0098
 Uranus -70349-10-18 10:33 J -23973258.34 -23973258.06 -23973257.78 0.0131 0.0013
 Uranus -70347-09-16 13:25 J -23972560.15 -23972559.94 -23972559.69 0.0131 0.0073
 Saturn -70336-07-15 01:54 J -23968605.64 -23968605.42 -23968605.16 0.0281 0.0176
 Saturn -70324-07-27 04:47 J -23964210.48 -23964210.30 -23964210.13 0.0287 0.0218
 Neptune -70315-11-30 02:09 J -23960797.59 -23960797.41 -23960797.22 0.0089 0.0067
 Neptune -70313-10-23 13:40 J -23960104.21 -23960103.93 -23960103.64 0.0089 0.0004
 Neptune -70311-09-17 01:25 J -23959410.64 -23959410.44 -23959410.23 0.0089 0.0061
 Uranus -70308-02-17 23:30 J -23958525.76 -23958525.52 -23958525.23 0.0148 0.0091
 Saturn -70308-08-27 08:37 J -23958335.22 -23958335.14 -23958335.03 0.0275 0.0261
 Uranus -70306-01-27 15:49 J -23957817.14 -23957816.84 -23957816.52 0.0148 0.0065
 Saturn -70294-09-14 06:42 J -23953204.49 -23953204.22 -23953203.95 0.0284 0.0001
 Saturn -70278-10-19 10:47 J -23947325.36 -23947325.05 -23947324.73 0.0278 0.0024
 Uranus -70266-07-15 08:09 J -23943038.39 -23943038.16 -23943037.90 0.0131 0.0062
 Uranus -70264-06-12 13:11 J -23942340.22 -23942339.95 -23942339.67 0.0131 0.0024
 Saturn -70264-11-01 03:35 J -23942198.52 -23942198.35 -23942198.16 0.0280 0.0216
 Uranus -70262-05-11 16:04 J -23941641.97 -23941641.83 -23941641.65 0.0132 0.0109
 Jupiter -70261-05-26 19:40 J -23941260.85 -23941260.68 -23941260.50 0.0497 0.0409
 Saturn -70248-12-10 09:21 J -23936315.27 -23936315.11 -23936314.91 0.0281 0.0227
 Jupiter -70243-04-11 03:06 J -23934732.62 -23934732.37 -23934732.13 0.0528 0.0039
 Saturn -70236-12-22 06:42 J -23931920.42 -23931920.22 -23931920.00 0.0287 0.0182
 Neptune -70233-10-19 13:40 J -23930888.00 -23930887.93 -23930887.79 0.0088 0.0085
 Neptune -70231-09-16 01:40 J -23930191.77 -23930191.43 -23930191.08 0.0088 0.0007
 Neptune -70229-08-12 10:18 J -23929495.25 -23929495.07 -23929494.84 0.0088 0.0071
 Jupiter -70225-03-03 22:33 J -23928195.79 -23928195.56 -23928195.32 0.0497 0.0321
 Uranus -70224-10-16 04:47 J -23927604.63 -23927604.30 -23927603.96 0.0148 0.0030
 Uranus -70222-09-24 23:30 J -23926895.67 -23926895.52 -23926895.32 0.0148 0.0128
 Saturn -70219-01-22 15:49 J -23926045.02 -23926044.84 -23926044.64 0.0276 0.0221
 Saturn -70205-02-09 03:49 J -23920914.61 -23920914.34 -23920914.06 0.0283 0.0041
 Saturn -70189-03-15 15:35 J -23915035.16 -23915034.85 -23915034.53 0.0278 0.0025

Uranus -70183-04-10 04:18 J -23912818.46 -23912818.32 -23912818.17 0.0131 0.0112
 Uranus -70181-03-08 11:59 J -23912120.27 -23912120.00 -23912119.72 0.0131 0.0026
 Uranus -70179-02-04 16:47 J -23911422.04 -23911421.80 -23911421.55 0.0131 0.0059
 Saturn -70175-03-29 07:11 J -23909908.31 -23909908.20 -23909908.07 0.0280 0.0253
 Saturn -70159-05-07 14:52 J -23904024.97 -23904024.88 -23904024.78 0.0282 0.0267
 Neptune -70149-06-07 19:54 J -23900340.91 -23900340.67 -23900340.39 0.0089 0.0035
 Neptune -70147-05-02 08:37 J -23899647.41 -23899647.14 -23899646.87 0.0089 0.0029
 Saturn -70147-05-19 05:59 J -23899630.48 -23899630.25 -23899630.00 0.0286 0.0140
 Uranus -70141-07-04 11:01 J -23897392.18 -23897392.04 -23897391.85 0.0148 0.0128
 Uranus -70139-06-12 23:30 J -23896683.85 -23896683.52 -23896683.18 0.0148 0.0029
 Saturn -70131-06-19 11:59 J -23893755.23 -23893755.00 -23893754.75 0.0276 0.0182
 Jupiter -70125-09-30 10:33 J -23891460.15 -23891460.06 -23891459.97 0.0528 0.0488
 Saturn -70117-07-06 04:33 J -23888624.58 -23888624.31 -23888624.05 0.0283 0.0074
 Jupiter -70107-08-19 22:18 J -23884927.84 -23884927.57 -23884927.28 0.0497 0.0217
 Saturn -70101-08-10 11:16 J -23882745.33 -23882745.03 -23882744.72 0.0279 0.0058
 Uranus -70099-12-03 08:52 J -23881900.35 -23881900.13 -23881899.89 0.0131 0.0076
 Uranus -70097-10-31 15:35 J -23881202.13 -23881201.85 -23881201.57 0.0131 0.0011
 Uranus -70095-09-29 19:54 J -23880503.84 -23880503.67 -23880503.46 0.0131 0.0096
 Jupiter -70089-07-04 06:57 J -23878399.45 -23878399.21 -23878398.97 0.0529 0.0098
 Neptune -70067-04-28 22:33 J -23870430.86 -23870430.56 -23870430.26 0.0088 0.0044
 Neptune -70065-03-25 08:52 J -23869734.43 -23869734.13 -23869733.79 0.0088 0.0034
 Saturn -70059-10-13 21:35 J -23867340.85 -23867340.60 -23867340.35 0.0286 0.0112
 Uranus -70056-03-01 12:13 J -23866471.28 -23866470.99 -23866470.68 0.0148 0.0067
 Uranus -70054-02-08 02:23 J -23865762.65 -23865762.40 -23865762.12 0.0148 0.0091
 Saturn -70043-11-13 17:59 J -23861466.01 -23861465.75 -23861465.49 0.0276 0.0157
 Saturn -70029-11-30 11:59 J -23856335.25 -23856335.00 -23856334.74 0.0282 0.0106
 Uranus -70016-08-29 03:06 J -23851680.41 -23851680.37 -23851680.28 0.0131 0.0127
 Uranus -70014-07-28 13:25 J -23850982.20 -23850981.94 -23850981.67 0.0131 0.0039
 Saturn -70012-01-04 02:52 J -23850456.68 -23850456.38 -23850456.08 0.0279 0.0079
 Uranus -70012-06-25 20:23 J -23850283.91 -23850283.65 -23850283.39 0.0131 0.0048

70TH MILLENNIUM BCE

This is a list of transits of Mars in the 70th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-69985-01-22 04:18 J	-23840577.48	-23840577.32	-23840577.10	0.0089	0.0066		
Neptune	-69984-12-15 14:09 J	-23839884.19	-23839883.91	-23839883.62	0.0089	0.0003		
Neptune	-69982-11-09 01:40 J	-23839190.61	-23839190.43	-23839190.20	0.0089	0.0062		
Uranus	-69972-10-27 16:47 J	-23835550.13	-23835549.80	-23835549.46	0.0148	0.0005		
Jupiter	-69971-12-25 04:18 J	-23835126.52	-23835126.32	-23835126.12	0.0528	0.0313		
Saturn	-69970-03-09 18:28 J	-23835051.99	-23835051.73	-23835051.47	0.0286	0.0089		
Saturn	-69954-04-08 17:01 J	-23829178.06	-23829177.79	-23829177.52	0.0276	0.0147		
Jupiter	-69953-11-12 23:30 J	-23828593.83	-23828593.52	-23828593.21	0.0497	0.0028		
Saturn	-69940-04-26 04:18 J	-23824046.57	-23824046.32	-23824046.07	0.0283	0.0118		
Jupiter	-69935-09-28 11:01 J	-23822065.23	-23822065.04	-23822064.83	0.0528	0.0310		
Uranus	-69931-04-23 09:21 J	-23820762.30	-23820762.11	-23820761.89	0.0131	0.0089		
Uranus	-69929-03-21 19:40 J	-23820063.96	-23820063.68	-23820063.40	0.0131	0.0002		
Uranus	-69927-02-18 01:40 J	-23819365.63	-23819365.43	-23819365.21	0.0131	0.0086		
Saturn	-69924-05-30 02:09 J	-23818168.70	-23818168.41	-23818168.10	0.0279	0.0089		
Neptune	-69904-12-09 15:35 J	-23810669.95	-23810669.85	-23810669.68	0.0088	0.0082		
Neptune	-69902-11-06 05:45 J	-23809973.60	-23809973.26	-23809972.90	0.0088	0.0004		
Neptune	-69900-10-02 16:04 J	-23809277.00	-23809276.83	-23809276.61	0.0088	0.0073		
Uranus	-69889-07-17 00:42 J	-23805336.71	-23805336.47	-23805336.20	0.0148	0.0096		
Uranus	-69887-06-25 09:06 J	-23804628.41	-23804628.12	-23804627.79	0.0148	0.0063		

Saturn -69882-08-02 21:21 J -23802763.87 -23802763.61 -23802763.35 0.0287 0.0085
 Pluto -69867-05-08 08:09 J -23797371.37 -23797371.16 -23797370.90 0.0078 0.0044
 Saturn -69866-09-01 05:59 J -23796890.52 -23796890.25 -23796889.98 0.0275 0.0141
 Saturn -69852-09-19 03:06 J -23791758.60 -23791758.37 -23791758.11 0.0283 0.0128
 Uranus -69847-12-16 17:45 J -23789844.01 -23789843.76 -23789843.49 0.0131 0.0052
 Uranus -69845-11-14 02:09 J -23789145.67 -23789145.41 -23789145.13 0.0131 0.0037
 Uranus -69843-10-13 05:59 J -23788447.33 -23788447.25 -23788447.14 0.0131 0.0124
 Saturn -69836-10-22 02:09 J -23785881.71 -23785881.41 -23785881.11 0.0278 0.0085
 Jupiter -69834-05-02 12:28 J -23785324.13 -23785323.98 -23785323.81 0.0498 0.0424
 Neptune -69820-07-30 23:01 J -23780120.80 -23780120.54 -23780120.27 0.0089 0.0033
 Neptune -69818-06-24 08:52 J -23779427.39 -23779427.13 -23779426.85 0.0089 0.0030
 Jupiter -69816-03-21 02:37 J -23778791.64 -23778791.39 -23778791.15 0.0528 0.0054
 Uranus -69804-03-14 10:18 J -23774415.39 -23774415.07 -23774414.74 0.0148 0.0032
 Uranus -69802-02-20 22:18 J -23773706.71 -23773706.57 -23773706.38 0.0148 0.0129
 Jupiter -69798-02-07 20:52 J -23772258.86 -23772258.63 -23772258.38 0.0498 0.0315
 Saturn -69794-12-26 13:25 J -23770476.19 -23770475.94 -23770475.67 0.0287 0.0080
 Saturn -69777-01-24 01:40 J -23764603.70 -23764603.43 -23764603.16 0.0275 0.0147
 Uranus -69764-09-11 11:30 J -23759624.17 -23759624.02 -23759623.83 0.0131 0.0104
 Saturn -69763-02-11 15:35 J -23759471.09 -23759470.85 -23759470.60 0.0284 0.0126
 Uranus -69762-08-10 23:45 J -23758925.79 -23758925.51 -23758925.23 0.0131 0.0014
 Uranus -69760-07-09 05:45 J -23758227.48 -23758227.26 -23758227.02 0.0131 0.0074
 Saturn -69747-03-16 06:28 J -23753594.51 -23753594.23 -23753593.92 0.0277 0.0090
 Neptune -69738-06-19 02:23 J -23750212.69 -23750212.40 -23750212.07 0.0088 0.0041
 Neptune -69736-05-15 14:52 J -23749516.17 -23749515.88 -23749515.54 0.0088 0.0036
 Uranus -69722-12-02 15:21 J -23744202.02 -23744201.86 -23744201.68 0.0148 0.0126
 Uranus -69720-11-09 19:54 J -23743493.99 -23743493.67 -23743493.33 0.0148 0.0033
 Saturn -69705-05-19 22:33 J -23738188.81 -23738188.56 -23738188.29 0.0288 0.0083
 Jupiter -69698-09-11 20:23 J -23735517.80 -23735517.65 -23735517.49 0.0528 0.0408
 Saturn -69689-06-17 11:59 J -23732316.27 -23732316.00 -23732315.71 0.0274 0.0136
 Jupiter -69680-07-27 11:01 J -23728989.33 -23728989.04 -23728988.74 0.0498 0.0140

Uranus -69679-05-06 17:30 J -23728706.00 -23728705.77 -23728705.52 0.0131 0.0067
 Uranus -69677-04-04 02:37 J -23728007.66 -23728007.39 -23728007.11 0.0131 0.0023
 Uranus -69675-03-03 08:37 J -23727309.28 -23727309.14 -23727308.98 0.0131 0.0111
 Saturn -69675-07-07 06:42 J -23727183.46 -23727183.22 -23727182.98 0.0284 0.0132
 Jupiter -69662-06-15 19:11 J -23722456.92 -23722456.70 -23722456.46 0.0528 0.0187
 Saturn -69659-08-08 12:13 J -23721307.28 -23721306.99 -23721306.68 0.0277 0.0090
 Neptune -69656-03-15 07:40 J -23720357.37 -23720357.18 -23720356.97 0.0089 0.0063
 Neptune -69654-02-06 17:45 J -23719664.04 -23719663.76 -23719663.47 0.0089 0.0002
 Neptune -69653-12-31 03:35 J -23718970.54 -23718970.35 -23718970.13 0.0089 0.0062
 Uranus -69637-07-29 07:11 J -23713281.48 -23713281.20 -23713280.88 0.0148 0.0068
 Uranus -69635-07-07 16:04 J -23712573.07 -23712572.83 -23712572.55 0.0148 0.0095
 Saturn -69617-10-12 17:30 J -23705901.03 -23705900.77 -23705900.51 0.0288 0.0075
 Saturn -69601-11-10 06:28 J -23700028.51 -23700028.23 -23700027.94 0.0274 0.0127
 Uranus -69596-01-30 08:23 J -23698486.26 -23698486.15 -23698486.04 0.0131 0.0120
 Uranus -69595-12-29 20:52 J -23697787.90 -23697787.63 -23697787.35 0.0131 0.0030
 Uranus -69593-11-27 04:47 J -23697089.55 -23697089.30 -23697089.05 0.0131 0.0060
 Saturn -69587-11-30 00:28 J -23694895.72 -23694895.48 -23694895.24 0.0285 0.0139
 Neptune -69574-01-29 23:01 J -23690451.69 -23690451.54 -23690451.34 0.0088 0.0077
 Neptune -69573-12-26 13:54 J -23689755.27 -23689754.92 -23689754.57 0.0088 0.0000
 Neptune -69571-11-23 02:09 J -23689058.59 -23689058.41 -23689058.23 0.0088 0.0076
 Saturn -69570-01-01 20:09 J -23689018.94 -23689018.66 -23689018.37 0.0276 0.0116
 Saturn -69558-01-19 10:47 J -23684618.11 -23684618.05 -23684617.98 0.0292 0.0282
 Uranus -69552-03-26 00:42 J -23682360.81 -23682360.47 -23682360.13 0.0148 0.0007
 Jupiter -69544-12-06 03:49 J -23679183.56 -23679183.34 -23679183.11 0.0528 0.0198
 Saturn -69528-03-07 19:40 J -23673612.94 -23673612.68 -23673612.41 0.0288 0.0061
 Jupiter -69526-10-21 13:11 J -23672655.25 -23672654.95 -23672654.64 0.0498 0.0098
 Saturn -69512-04-06 06:42 J -23667739.51 -23667739.22 -23667738.91 0.0273 0.0091
 Uranus -69512-09-24 11:30 J -23667568.23 -23667568.02 -23667567.79 0.0131 0.0083
 Uranus -69510-08-23 23:01 J -23666869.82 -23666869.54 -23666869.26 0.0131 0.0008
 Uranus -69508-07-22 06:57 J -23666171.38 -23666171.21 -23666171.01 0.0131 0.0098

Jupiter -69508-09-09 07:54 J -23666122.32 -23666122.17 -23666122.01 0.0527 0.0411
 Saturn -69498-04-25 14:37 J -23662607.11 -23662606.89 -23662606.66 0.0285 0.0160
 Neptune -69491-09-22 03:06 J -23659900.61 -23659900.37 -23659900.08 0.0089 0.0031
 Neptune -69489-08-15 13:25 J -23659207.19 -23659206.94 -23659206.65 0.0089 0.0032
 Saturn -69482-05-28 22:04 J -23656729.85 -23656729.58 -23656729.31 0.0277 0.0142
 Saturn -69470-06-15 00:42 J -23652329.59 -23652329.47 -23652329.35 0.0291 0.0259
 Uranus -69470-12-13 16:33 J -23652148.02 -23652147.81 -23652147.57 0.0148 0.0107
 Uranus -69468-11-20 18:57 J -23651440.02 -23651439.71 -23651439.39 0.0148 0.0055
 Pluto -69460-06-30 02:09 J -23648661.56 -23648661.41 -23648661.19 0.0066 0.0056
 Saturn -69440-08-01 21:35 J -23641323.86 -23641323.60 -23641323.33 0.0288 0.0035
 Uranus -69427-05-19 13:25 J -23636650.20 -23636649.94 -23636649.66 0.0131 0.0046
 Uranus -69425-04-17 01:11 J -23635951.71 -23635951.45 -23635951.18 0.0131 0.0047
 Saturn -69424-08-31 23:30 J -23635449.83 -23635449.52 -23635449.21 0.0274 0.0057
 Saturn -69410-09-19 15:06 J -23630318.06 -23630317.87 -23630317.66 0.0285 0.0190
 Neptune -69409-08-08 13:11 J -23629994.26 -23629993.95 -23629993.62 0.0088 0.0036
 Jupiter -69407-04-07 20:37 J -23629386.80 -23629386.64 -23629386.48 0.0498 0.0423
 Neptune -69407-07-06 03:06 J -23629297.67 -23629297.37 -23629297.05 0.0088 0.0041
 Saturn -69394-10-23 22:18 J -23624439.78 -23624439.57 -23624439.33 0.0277 0.0191
 Jupiter -69389-03-01 00:28 J -23622849.73 -23622849.48 -23622849.24 0.0528 0.0018
 Uranus -69385-08-09 19:25 J -23621227.00 -23621226.69 -23621226.36 0.0148 0.0043
 Uranus -69383-07-18 23:45 J -23620518.67 -23620518.51 -23620518.29 0.0148 0.0122
 Saturn -69382-11-09 13:54 J -23620040.07 -23620039.92 -23620039.74 0.0291 0.0229
 Pluto -69372-01-05 21:49 J -23616694.64 -23616694.59 -23616694.48 0.0078 0.0076
 Jupiter -69371-01-14 02:09 J -23616321.65 -23616321.41 -23616321.16 0.0498 0.0309
 Saturn -69366-12-06 02:37 J -23614169.49 -23614169.39 -23614169.25 0.0272 0.0251
 Saturn -69352-12-27 10:33 J -23609034.33 -23609034.06 -23609033.79 0.0287 0.0003
 Uranus -69344-02-12 02:52 J -23606430.56 -23606430.38 -23606430.19 0.0131 0.0101
 Uranus -69342-01-11 18:28 J -23605732.01 -23605731.73 -23605731.44 0.0131 0.0007
 Uranus -69341-12-10 04:18 J -23605033.52 -23605033.32 -23605033.09 0.0131 0.0085
 Saturn -69335-01-27 04:33 J -23603159.63 -23603159.31 -23603158.99 0.0274 0.0008

Neptune -69327-05-07 16:47 J -23600136.98 -23600136.80 -23600136.56 0.0089 0.0060
 Neptune -69325-03-31 01:11 J -23599443.73 -23599443.45 -23599443.16 0.0089 0.0003
 Neptune -69323-02-22 11:16 J -23598750.21 -23598750.03 -23598749.82 0.0089 0.0064
 Saturn -69321-02-14 12:42 J -23598028.13 -23598027.97 -23598027.79 0.0285 0.0225
 Saturn -69305-03-20 05:45 J -23592149.42 -23592149.26 -23592149.08 0.0278 0.0233
 Uranus -69302-04-30 06:13 J -23591013.32 -23591013.24 -23591013.10 0.0148 0.0139
 Uranus -69300-04-07 01:25 J -23590305.77 -23590305.44 -23590305.11 0.0148 0.0023
 Saturn -69293-04-05 11:30 J -23587750.22 -23587750.02 -23587749.81 0.0290 0.0186
 Saturn -69277-05-02 05:59 J -23581879.44 -23581879.25 -23581879.02 0.0272 0.0208
 Jupiter -69271-08-21 06:28 J -23579577.35 -23579577.23 -23579577.12 0.0528 0.0465
 Saturn -69263-05-24 13:25 J -23576744.21 -23576743.94 -23576743.67 0.0287 0.0039
 Uranus -69260-10-07 07:11 J -23575512.44 -23575512.20 -23575511.94 0.0131 0.0063
 Uranus -69258-09-05 21:35 J -23574813.87 -23574813.60 -23574813.33 0.0131 0.0032
 Uranus -69256-08-04 05:16 J -23574115.36 -23574115.28 -23574115.17 0.0131 0.0124
 Jupiter -69253-06-30 20:09 J -23573053.93 -23573053.66 -23573053.38 0.0498 0.0240
 Saturn -69247-06-24 09:49 J -23570869.40 -23570869.09 -23570868.77 0.0275 0.0031
 Neptune -69245-03-21 12:28 J -23570233.15 -23570232.98 -23570232.73 0.0088 0.0071
 Neptune -69243-02-16 05:16 J -23569536.62 -23569536.28 -23569535.93 0.0088 0.0006
 Neptune -69241-01-13 18:28 J -23568839.84 -23568839.73 -23568839.57 0.0088 0.0082
 Jupiter -69235-05-25 01:11 J -23566516.69 -23566516.45 -23566516.21 0.0528 0.0111
 Saturn -69233-07-11 11:01 J -23565738.12 -23565738.04 -23565737.93 0.0283 0.0266
 Uranus -69218-12-26 09:06 J -23560092.40 -23560092.12 -23560091.82 0.0148 0.0075
 Jupiter -69217-04-07 17:01 J -23559988.87 -23559988.79 -23559988.68 0.0497 0.0471
 Saturn -69217-08-15 05:45 J -23559859.27 -23559859.26 -23559859.20 0.0278 0.0276
 Uranus -69216-12-03 08:09 J -23559384.41 -23559384.16 -23559383.87 0.0148 0.0091
 Saturn -69205-08-31 12:42 J -23555460.20 -23555459.97 -23555459.74 0.0290 0.0151
 Saturn -69189-09-27 03:21 J -23549589.59 -23549589.36 -23549589.10 0.0272 0.0175
 Uranus -69177-07-02 16:47 J -23545292.91 -23545292.80 -23545292.67 0.0131 0.0120
 Uranus -69175-06-01 11:01 J -23544594.31 -23544594.04 -23544593.75 0.0131 0.0025
 Saturn -69175-10-19 09:49 J -23544454.34 -23544454.09 -23544453.82 0.0286 0.0081

Uranus -69173-04-29 22:18 J -23543895.80 -23543895.57 -23543895.33 0.0131 0.0070
 Neptune -69164-12-21 07:40 J -23540373.21 -23540373.18 -23540373.10 0.0089 0.0087
 Neptune -69162-11-14 16:33 J -23539680.07 -23539679.81 -23539679.53 0.0089 0.0026
 Neptune -69160-10-08 00:13 J -23538986.73 -23538986.49 -23538986.21 0.0089 0.0036
 Saturn -69159-11-18 21:35 J -23538579.90 -23538579.60 -23538579.28 0.0275 0.0064
 Uranus -69133-08-22 05:16 J -23529171.62 -23529171.28 -23529170.95 0.0148 0.0012
 Pluto -69126-05-27 16:33 J -23526701.88 -23526701.81 -23526701.68 0.0079 0.0074
 Jupiter -69117-11-13 12:57 J -23523244.15 -23523243.96 -23523243.76 0.0528 0.0324
 Saturn -69116-01-26 03:35 J -23523170.59 -23523170.35 -23523170.10 0.0290 0.0115
 Saturn -69100-02-21 00:42 J -23517300.73 -23517300.47 -23517300.20 0.0272 0.0153
 Jupiter -69099-09-24 04:04 J -23516720.64 -23516720.33 -23516720.02 0.0498 0.0038
 Uranus -69092-02-24 19:25 J -23514374.89 -23514374.69 -23514374.45 0.0131 0.0083
 Uranus -69090-01-24 11:16 J -23513676.31 -23513676.03 -23513675.74 0.0131 0.0013
 Uranus -69089-12-22 20:52 J -23512977.79 -23512977.63 -23512977.46 0.0131 0.0107
 Saturn -69086-03-15 20:52 J -23512164.87 -23512164.63 -23512164.37 0.0287 0.0105
 Jupiter -69081-08-17 16:33 J -23510183.01 -23510182.81 -23510182.60 0.0527 0.0285
 Neptune -69080-09-29 06:42 J -23509775.52 -23509775.22 -23509774.86 0.0088 0.0029
 Neptune -69078-08-26 22:18 J -23509078.84 -23509078.57 -23509078.25 0.0088 0.0048
 Saturn -69070-04-14 17:45 J -23506291.05 -23506290.76 -23506290.45 0.0275 0.0085
 Uranus -69050-05-12 00:28 J -23498958.67 -23498958.48 -23498958.26 0.0147 0.0116
 Uranus -69048-04-18 17:16 J -23498251.08 -23498250.78 -23498250.45 0.0148 0.0050
 Saturn -69028-06-22 01:40 J -23490881.68 -23490881.43 -23490881.17 0.0290 0.0100
 Saturn -69012-07-17 07:54 J -23485012.44 -23485012.17 -23485011.88 0.0272 0.0136
 Uranus -69008-10-19 20:37 J -23483456.90 -23483456.64 -23483456.36 0.0131 0.0044
 Uranus -69006-09-18 09:49 J -23482758.34 -23482758.09 -23482757.82 0.0131 0.0051

69TH MILLENNIUM BCE

This is a list of transits of Mars in the 69th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Neptune	-68998-06-30 08:37 J		-23479916.36	-23479916.14	-23479915.91	0.0089	0.0053	
Saturn	-68998-08-09 12:57 J		-23479876.20	-23479875.96	-23479875.71	0.0287	0.0126	
Neptune	-68996-05-23 17:59 J		-23479223.02	-23479222.75	-23479222.46	0.0089	0.0008	
Neptune	-68994-04-17 02:23 J		-23478529.55	-23478529.40	-23478529.20	0.0089	0.0069	
Saturn	-68982-09-07 11:45 J		-23474003.31	-23474003.01	-23474002.71	0.0275	0.0092	
Uranus	-68965-01-06 06:13 J		-23468038.52	-23468038.24	-23468037.91	0.0147	0.0058	
Pluto	-68965-02-28 07:11 J		-23467985.29	-23467985.20	-23467985.00	0.0066	0.0060	
Uranus	-68964-12-14 02:23 J		-23467330.60	-23467330.40	-23467330.15	0.0147	0.0111	
Jupiter	-68962-02-08 00:42 J		-23466909.71	-23466909.47	-23466909.23	0.0527	0.0096	
Jupiter	-68945-12-18 13:25 J		-23460386.21	-23460385.94	-23460385.65	0.0498	0.0221	
Saturn	-68940-11-15 05:30 J		-23458593.52	-23458593.27	-23458593.01	0.0290	0.0087	
Jupiter	-68927-11-12 00:42 J		-23453848.54	-23453848.47	-23453848.38	0.0528	0.0498	
Uranus	-68925-07-15 00:13 J		-23453237.64	-23453237.49	-23453237.29	0.0131	0.0105	
Saturn	-68924-12-09 16:04 J		-23452725.10	-23452724.83	-23452724.54	0.0272	0.0135	
Uranus	-68923-06-13 18:42 J		-23452539.00	-23452538.72	-23452538.43	0.0131	0.0007	
Uranus	-68921-05-12 07:40 J		-23451840.37	-23451840.18	-23451839.95	0.0131	0.0089	
Neptune	-68916-05-12 11:30 J		-23450014.25	-23450014.02	-23450013.74	0.0088	0.0061	
Neptune	-68914-04-09 04:18 J		-23449317.66	-23449317.32	-23449316.97	0.0088	0.0015	
Saturn	-68909-01-02 11:01 J		-23447588.27	-23447588.04	-23447587.79	0.0288	0.0130	
Saturn	-68893-01-30 21:49 J		-23441715.88	-23441715.59	-23441715.28	0.0274	0.0100	
Uranus	-68881-09-01 18:28 J		-23437118.07	-23437117.73	-23437117.40	0.0147	0.0005	
Saturn	-68851-04-09 17:45 J		-23426306.01	-23426305.76	-23426305.50	0.0291	0.0088	

Jupiter -68844-07-31 17:16 J -23423635.90 -23423635.78 -23423635.65 0.0527 0.0452
 Uranus -68840-03-09 00:57 J -23422319.70 -23422319.46 -23422319.20 0.0131 0.0066
 Uranus -68838-02-05 19:11 J -23421620.97 -23421620.70 -23421620.42 0.0131 0.0032
 Uranus -68836-01-04 07:25 J -23420922.25 -23420922.19 -23420922.10 0.0131 0.0127
 Saturn -68835-05-04 00:42 J -23420437.75 -23420437.47 -23420437.18 0.0271 0.0124
 Neptune -68834-02-13 04:33 J -23420152.43 -23420152.31 -23420152.18 0.0089 0.0079
 Neptune -68832-01-06 11:01 J -23419459.30 -23419459.04 -23419458.75 0.0089 0.0019
 Neptune -68831-11-30 19:54 J -23418765.90 -23418765.67 -23418765.40 0.0089 0.0042
 Jupiter -68826-06-07 04:33 J -23417116.57 -23417116.31 -23417116.03 0.0499 0.0231
 Saturn -68821-05-26 23:59 J -23415300.74 -23415300.50 -23415300.26 0.0288 0.0133
 Jupiter -68808-05-04 18:13 J -23410574.97 -23410574.74 -23410574.50 0.0527 0.0143
 Saturn -68805-06-23 21:06 J -23409428.91 -23409428.62 -23409428.31 0.0274 0.0098
 Uranus -68798-05-23 03:21 J -23406904.59 -23406904.36 -23406904.09 0.0147 0.0096
 Uranus -68796-04-29 14:23 J -23406197.17 -23406196.90 -23406196.59 0.0147 0.0071
 Jupiter -68790-03-15 09:35 J -23404051.10 -23404051.10 -23404051.08 0.0498 0.0498
 Saturn -68763-09-02 04:04 J -23394018.58 -23394018.33 -23394018.07 0.0292 0.0087
 Uranus -68758-12-03 03:21 J -23392100.43 -23392100.36 -23392100.29 0.0132 0.0127
 Uranus -68756-11-01 01:40 J -23391401.70 -23391401.43 -23391401.14 0.0131 0.0028
 Uranus -68754-09-30 18:13 J -23390702.97 -23390702.74 -23390702.49 0.0131 0.0070
 Neptune -68751-11-20 09:49 J -23389556.42 -23389556.09 -23389555.73 0.0088 0.0018
 Neptune -68749-10-17 02:23 J -23388859.66 -23388859.40 -23388859.13 0.0088 0.0057
 Saturn -68747-09-26 04:47 J -23388150.58 -23388150.30 -23388150.00 0.0270 0.0123
 Saturn -68733-10-19 07:25 J -23383013.43 -23383013.19 -23383012.95 0.0289 0.0133
 Pluto -68719-07-18 17:16 J -23377993.12 -23377992.78 -23377992.42 0.0066 0.0009
 Saturn -68717-11-16 10:47 J -23377141.33 -23377141.05 -23377140.75 0.0273 0.0113
 Uranus -68713-01-17 23:30 J -23375983.83 -23375983.52 -23375983.19 0.0147 0.0032
 Uranus -68712-12-25 15:21 J -23375275.95 -23375275.86 -23375275.72 0.0147 0.0138
 Jupiter -68690-10-26 09:35 J -23367301.32 -23367301.10 -23367300.87 0.0527 0.0218
 Saturn -68674-01-25 15:49 J -23361731.09 -23361730.84 -23361730.58 0.0292 0.0083
 Uranus -68673-07-27 06:13 J -23361182.43 -23361182.24 -23361182.01 0.0132 0.0089

Jupiter -68672-08-31 20:23 J -23360781.96 -23360781.65 -23360781.34 0.0498 0.0036
 Uranus -68671-06-26 03:49 J -23360483.62 -23360483.34 -23360483.05 0.0131 0.0011
 Uranus -68669-05-24 17:30 J -23359784.91 -23359784.77 -23359784.59 0.0131 0.0109
 Neptune -68669-08-22 08:23 J -23359695.37 -23359695.15 -23359694.88 0.0089 0.0045
 Neptune -68667-07-16 15:21 J -23359002.13 -23359001.86 -23359001.57 0.0089 0.0016
 Neptune -68665-06-09 00:28 J -23358308.60 -23358308.48 -23358308.31 0.0089 0.0076
 Saturn -68658-02-19 05:59 J -23355862.54 -23355862.25 -23355861.94 0.0270 0.0099
 Jupiter -68654-07-30 17:30 J -23354239.93 -23354239.77 -23354239.61 0.0527 0.0396
 Saturn -68644-03-14 04:04 J -23350725.55 -23350725.33 -23350725.08 0.0289 0.0142
 Uranus -68631-10-07 15:06 J -23345769.98 -23345769.87 -23345769.71 0.0147 0.0134
 Uranus -68629-09-13 20:09 J -23345062.97 -23345062.66 -23345062.33 0.0147 0.0033
 Saturn -68628-04-11 11:45 J -23344853.29 -23344853.01 -23344852.72 0.0273 0.0127
 Uranus -68588-03-21 07:25 J -23330264.45 -23330264.19 -23330263.92 0.0131 0.0051
 Neptune -68587-07-03 15:21 J -23329795.12 -23329794.86 -23329794.54 0.0088 0.0050
 Uranus -68586-02-18 02:23 J -23329565.66 -23329565.40 -23329565.13 0.0131 0.0049
 Saturn -68586-06-20 23:59 J -23329442.76 -23329442.50 -23329442.24 0.0292 0.0070
 Neptune -68585-05-30 09:49 J -23329098.41 -23329098.09 -23329097.74 0.0088 0.0026
 Saturn -68570-07-15 22:47 J -23323573.85 -23323573.55 -23323573.23 0.0270 0.0078
 Saturn -68556-08-07 12:28 J -23318437.20 -23318436.98 -23318436.75 0.0289 0.0161
 Jupiter -68553-02-17 18:13 J -23317512.86 -23317512.74 -23317512.60 0.0498 0.0451
 Uranus -68546-06-03 23:30 J -23314849.80 -23314849.52 -23314849.23 0.0147 0.0073
 Uranus -68544-05-11 10:18 J -23314142.32 -23314142.07 -23314141.82 0.0147 0.0097
 Saturn -68540-09-05 17:01 J -23312564.03 -23312563.79 -23312563.53 0.0273 0.0165
 Jupiter -68535-01-19 19:54 J -23310966.92 -23310966.67 -23310966.43 0.0527 0.0010
 Saturn -68528-09-27 02:23 J -23308159.48 -23308159.40 -23308159.32 0.0295 0.0280
 Jupiter -68518-11-26 02:09 J -23304447.66 -23304447.41 -23304447.15 0.0498 0.0283
 Uranus -68506-12-15 07:54 J -23300045.30 -23300045.17 -23300045.02 0.0131 0.0114
 Neptune -68505-04-07 06:28 J -23299931.39 -23299931.23 -23299931.04 0.0089 0.0069
 Uranus -68504-11-13 07:11 J -23299346.48 -23299346.20 -23299345.91 0.0131 0.0013
 Neptune -68503-03-01 14:09 J -23299238.19 -23299237.91 -23299237.63 0.0089 0.0010

Uranus -68502-10-12 23:30 J -23298647.73 -23298647.52 -23298647.30 0.0131 0.0087
 Neptune -68501-01-23 20:37 J -23298544.85 -23298544.64 -23298544.38 0.0089 0.0050
 Saturn -68498-11-14 21:49 J -23297153.85 -23297153.59 -23297153.32 0.0292 0.0041
 Saturn -68482-12-10 16:18 J -23291284.14 -23291283.82 -23291283.50 0.0270 0.0034
 Pluto -68473-12-06 12:13 J -23288000.17 -23287999.99 -23287999.79 0.0066 0.0055
 Saturn -68467-01-01 21:49 J -23286147.78 -23286147.59 -23286147.37 0.0289 0.0190
 Uranus -68461-01-29 03:06 J -23283929.70 -23283929.37 -23283929.04 0.0147 0.0014
 Saturn -68451-01-31 14:37 J -23280274.09 -23280273.89 -23280273.66 0.0274 0.0203
 Saturn -68439-02-21 13:54 J -23275870.06 -23275869.92 -23275869.76 0.0294 0.0242
 Neptune -68423-02-13 21:06 J -23270033.72 -23270033.62 -23270033.43 0.0088 0.0081
 Saturn -68423-03-15 18:42 J -23270003.87 -23270003.72 -23270003.53 0.0268 0.0229
 Neptune -68421-01-11 17:30 J -23269337.12 -23269336.77 -23269336.42 0.0088 0.0006
 Uranus -68421-08-08 06:42 J -23269127.46 -23269127.22 -23269126.98 0.0131 0.0076
 Neptune -68420-12-08 10:33 J -23268640.25 -23268640.06 -23268639.80 0.0088 0.0069
 Uranus -68419-07-08 03:49 J -23268428.62 -23268428.34 -23268428.06 0.0131 0.0026
 Uranus -68417-06-05 19:40 J -23267729.75 -23267729.68 -23267729.58 0.0131 0.0124
 Jupiter -68417-07-11 05:59 J -23267694.38 -23267694.25 -23267694.10 0.0527 0.0432
 Saturn -68409-04-10 17:45 J -23264864.03 -23264863.76 -23264863.49 0.0292 0.0007
 Jupiter -68399-05-13 02:09 J -23261179.67 -23261179.41 -23261179.14 0.0498 0.0252
 Saturn -68393-05-06 21:49 J -23258993.92 -23258993.59 -23258993.27 0.0271 0.0007
 Pluto -68385-06-18 06:57 J -23256029.29 -23256029.21 -23256029.07 0.0078 0.0073
 Jupiter -68381-04-14 02:23 J -23254633.64 -23254633.40 -23254633.16 0.0527 0.0141
 Saturn -68379-05-29 17:59 J -23253857.90 -23253857.75 -23253857.58 0.0288 0.0231
 Uranus -68379-10-18 02:37 J -23253716.55 -23253716.39 -23253716.19 0.0147 0.0123
 Uranus -68377-09-24 05:30 J -23253009.58 -23253009.27 -23253008.95 0.0147 0.0047
 Jupiter -68363-02-17 19:11 J -23248114.82 -23248114.70 -23248114.55 0.0498 0.0447
 Saturn -68363-06-28 23:16 J -23247983.65 -23247983.53 -23247983.40 0.0274 0.0251
 Saturn -68351-07-19 15:35 J -23243580.03 -23243579.85 -23243579.65 0.0294 0.0206
 Neptune -68340-10-15 11:59 J -23239474.24 -23239474.00 -23239473.72 0.0089 0.0034
 Neptune -68338-09-08 19:54 J -23238780.93 -23238780.67 -23238780.39 0.0089 0.0025

Uranus -68336-04-02 04:33 J -23238209.57 -23238209.31 -23238209.02 0.0131 0.0037
 Neptune -68336-08-02 02:52 J -23238087.43 -23238087.38 -23238087.26 0.0089 0.0085
 Saturn -68335-08-11 02:09 J -23237713.64 -23237713.41 -23237713.18 0.0269 0.0189
 Uranus -68334-03-02 01:54 J -23237510.66 -23237510.42 -23237510.16 0.0131 0.0065
 Saturn -68321-09-05 18:13 J -23232574.01 -23232573.74 -23232573.48 0.0291 0.0039
 Saturn -68305-10-02 01:11 J -23226703.77 -23226703.45 -23226703.13 0.0271 0.0048
 Uranus -68294-06-14 08:23 J -23222796.43 -23222796.15 -23222795.84 0.0147 0.0062
 Uranus -68292-05-21 14:09 J -23222089.10 -23222088.91 -23222088.66 0.0147 0.0112
 Saturn -68291-10-24 20:23 J -23221567.75 -23221567.65 -23221567.55 0.0288 0.0267
 Jupiter -68263-10-04 06:57 J -23211361.41 -23211361.21 -23211361.01 0.0527 0.0307
 Saturn -68263-12-14 17:16 J -23211290.00 -23211289.78 -23211289.55 0.0294 0.0161
 Neptune -68258-08-25 00:13 J -23209575.79 -23209575.49 -23209575.15 0.0088 0.0037
 Neptune -68256-07-21 19:25 J -23208878.99 -23208878.69 -23208878.36 0.0088 0.0038
 Uranus -68254-12-27 00:57 J -23207990.63 -23207990.46 -23207990.27 0.0132 0.0102
 Uranus -68252-11-25 03:06 J -23207291.66 -23207291.37 -23207291.08 0.0131 0.0002
 Uranus -68250-10-24 22:18 J -23206592.72 -23206592.57 -23206592.37 0.0131 0.0104
 Saturn -68246-01-05 18:42 J -23205423.97 -23205423.72 -23205423.44 0.0269 0.0157
 Jupiter -68245-08-04 22:33 J -23204846.86 -23204846.56 -23204846.25 0.0498 0.0077
 Saturn -68232-01-31 16:47 J -23200284.06 -23200283.80 -23200283.54 0.0291 0.0072
 Jupiter -68227-07-08 08:23 J -23198300.36 -23198300.15 -23198299.95 0.0527 0.0289
 Saturn -68216-02-26 16:18 J -23194414.12 -23194413.82 -23194413.51 0.0272 0.0081
 Uranus -68209-02-08 22:18 J -23191875.90 -23191875.57 -23191875.24 0.0147 0.0004
 Neptune -68176-05-31 12:13 J -23179710.18 -23179709.99 -23179709.76 0.0089 0.0058
 Neptune -68174-04-24 18:42 J -23179017.00 -23179016.72 -23179016.43 0.0089 0.0002
 Saturn -68174-05-11 07:25 J -23179000.42 -23179000.19 -23178999.95 0.0294 0.0134
 Neptune -68172-03-18 02:09 J -23178323.59 -23178323.41 -23178323.17 0.0089 0.0060
 Uranus -68169-08-20 02:09 J -23177072.64 -23177072.41 -23177072.13 0.0132 0.0063
 Uranus -68167-07-20 03:21 J -23176373.63 -23176373.36 -23176373.08 0.0132 0.0042
 Saturn -68158-06-01 20:09 J -23173134.93 -23173134.66 -23173134.36 0.0269 0.0131
 Saturn -68144-06-28 01:11 J -23167994.70 -23167994.45 -23167994.20 0.0290 0.0104

Pluto -68139-11-08 07:54 J -23166035.42 -23166035.17 -23166034.89 0.0079 0.0030
 Saturn -68128-07-23 05:30 J -23162125.57 -23162125.27 -23162124.96 0.0272 0.0098
 Uranus -68127-10-29 17:30 J -23161662.01 -23161661.77 -23161661.53 0.0147 0.0100
 Uranus -68125-10-05 15:49 J -23160955.12 -23160954.84 -23160954.55 0.0147 0.0072
 Jupiter -68109-12-28 05:01 J -23155027.53 -23155027.29 -23155027.04 0.0527 0.0118
 Neptune -68094-04-07 07:11 J -23149814.40 -23149814.20 -23149813.93 0.0088 0.0067
 Neptune -68092-03-04 04:04 J -23149117.67 -23149117.33 -23149116.97 0.0088 0.0008
 Jupiter -68091-10-29 15:49 J -23148513.13 -23148512.84 -23148512.54 0.0499 0.0142
 Neptune -68090-01-29 22:04 J -23148420.69 -23148420.58 -23148420.40 0.0088 0.0081
 Uranus -68086-05-15 20:52 J -23146853.67 -23146853.63 -23146853.55 0.0132 0.0129
 Saturn -68086-10-05 03:06 J -23146711.61 -23146711.37 -23146711.12 0.0294 0.0111
 Uranus -68084-04-14 03:35 J -23146154.63 -23146154.35 -23146154.06 0.0132 0.0023
 Uranus -68082-03-14 00:57 J -23145455.66 -23145455.46 -23145455.21 0.0132 0.0082
 Jupiter -68073-10-01 04:04 J -23141966.44 -23141966.33 -23141966.21 0.0527 0.0467
 Saturn -68070-10-25 19:40 J -23140846.95 -23140846.68 -23140846.37 0.0269 0.0122
 Saturn -68056-11-21 14:09 J -23135706.15 -23135705.91 -23135705.66 0.0291 0.0117
 Uranus -68042-06-26 04:18 J -23130741.64 -23130741.32 -23130741.00 0.0147 0.0036
 Uranus -68040-06-02 07:54 J -23130034.25 -23130034.17 -23130034.04 0.0147 0.0139
 Saturn -68040-12-16 03:06 J -23129837.65 -23129837.37 -23129837.07 0.0271 0.0112
 Neptune -68012-01-14 12:13 J -23119946.07 -23119945.99 -23119945.84 0.0089 0.0081
 Neptune -68011-12-08 18:42 J -23119252.98 -23119252.72 -23119252.43 0.0089 0.0023
 Neptune -68009-11-01 00:28 J -23118559.72 -23118559.48 -23118559.20 0.0089 0.0036
 Uranus -68001-01-08 00:28 J -23115935.68 -23115935.48 -23115935.26 0.0132 0.0089

68TH MILLENNIUM BCE

This is a list of transits of Mars in the 68th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-68000-12-07 03:06 J	-23115236.65	-23115236.37	-23115236.07	0.0131	0.0018		
Uranus	-67998-11-05 21:35 J	-23114537.68	-23114537.60	-23114537.45	0.0131	0.0121		
Saturn	-67997-02-28 03:49 J	-23114423.58	-23114423.34	-23114423.09	0.0294	0.0104		
Jupiter	-67990-06-20 13:25 J	-23111754.02	-23111753.94	-23111753.84	0.0527	0.0490		
Saturn	-67981-03-19 10:18 J	-23108559.36	-23108559.07	-23108558.76	0.0268	0.0108		
Jupiter	-67972-04-17 02:52 J	-23105243.61	-23105243.38	-23105243.14	0.0499	0.0317		
Saturn	-67967-04-16 12:28 J	-23103418.22	-23103417.98	-23103417.73	0.0291	0.0126		
Uranus	-67959-03-15 17:16 J	-23100527.81	-23100527.78	-23100527.70	0.0147	0.0145		
Uranus	-67957-02-20 09:35 J	-23099821.42	-23099821.10	-23099820.77	0.0147	0.0027		
Jupiter	-67954-03-24 16:04 J	-23098693.07	-23098692.83	-23098692.59	0.0527	0.0102		
Saturn	-67951-05-10 07:11 J	-23097550.48	-23097550.20	-23097549.89	0.0271	0.0113		
Jupiter	-67936-01-23 04:33 J	-23092178.49	-23092178.31	-23092178.12	0.0499	0.0400		
Neptune	-67929-10-15 11:01 J	-23089356.38	-23089356.04	-23089355.70	0.0088	0.0023		
Neptune	-67927-09-12 06:13 J	-23088659.50	-23088659.24	-23088658.92	0.0088	0.0051		
Uranus	-67917-08-31 23:30 J	-23085017.77	-23085017.52	-23085017.23	0.0131	0.0049		
Uranus	-67915-07-31 23:30 J	-23084318.77	-23084318.52	-23084318.25	0.0131	0.0057		
Saturn	-67909-07-22 17:59 J	-23082135.99	-23082135.75	-23082135.50	0.0295	0.0101		
Saturn	-67893-08-11 13:54 J	-23076272.21	-23076271.92	-23076271.61	0.0268	0.0106		
Pluto	-67892-03-30 11:01 J	-23076041.31	-23076041.04	-23076040.74	0.0079	0.0008		
Saturn	-67879-09-08 22:18 J	-23071130.80	-23071130.57	-23071130.32	0.0292	0.0129		
Uranus	-67875-11-09 12:42 J	-23069608.22	-23069607.97	-23069607.69	0.0147	0.0086		
Uranus	-67873-10-16 09:21 J	-23068901.36	-23068901.11	-23068900.84	0.0147	0.0089		
Saturn	-67863-10-02 16:47 J	-23065263.08	-23065262.80	-23065262.51	0.0270	0.0127		
Neptune	-67847-07-24 18:28 J	-23059488.96	-23059488.73	-23059488.48	0.0089	0.0046		
Neptune	-67845-06-17 01:40 J	-23058795.71	-23058795.43	-23058795.15	0.0089	0.0012		
Neptune	-67843-05-11 07:25 J	-23058102.33	-23058102.19	-23058101.99	0.0089	0.0070		

Jupiter -67836-09-14 07:54 J -23055419.39 -23055419.17 -23055418.96 0.0527 0.0251
 Uranus -67834-05-27 16:04 J -23054798.94 -23054798.83 -23054798.67 0.0132 0.0117
 Uranus -67832-04-25 22:04 J -23054099.87 -23054099.58 -23054099.29 0.0131 0.0009
 Uranus -67830-03-25 21:06 J -23053400.81 -23053400.62 -23053400.42 0.0131 0.0096
 Saturn -67821-12-15 00:42 J -23049848.71 -23049848.47 -23049848.21 0.0296 0.0101
 Jupiter -67818-07-12 22:33 J -23048908.87 -23048908.56 -23048908.25 0.0499 0.0045
 Saturn -67804-01-04 05:01 J -23043984.59 -23043984.29 -23043983.98 0.0267 0.0087
 Jupiter -67800-06-18 19:40 J -23042357.86 -23042357.68 -23042357.51 0.0527 0.0368
 Saturn -67790-02-01 10:47 J -23038843.28 -23038843.05 -23038842.80 0.0293 0.0131
 Uranus -67790-07-06 08:52 J -23038688.44 -23038688.13 -23038687.80 0.0147 0.0026
 Saturn -67774-02-25 05:16 J -23032975.55 -23032975.28 -23032974.99 0.0270 0.0135
 Neptune -67765-05-28 17:59 J -23029595.01 -23029594.75 -23029594.44 0.0088 0.0053
 Neptune -67763-04-25 14:09 J -23028898.23 -23028897.91 -23028897.55 0.0088 0.0021
 Uranus -67749-01-19 14:52 J -23023881.09 -23023880.88 -23023880.62 0.0132 0.0077
 Uranus -67748-12-18 19:40 J -23023181.95 -23023181.68 -23023181.39 0.0131 0.0032
 Saturn -67732-05-09 17:30 J -23017561.02 -23017560.77 -23017560.52 0.0296 0.0097
 Saturn -67716-05-30 04:33 J -23011696.62 -23011696.31 -23011695.99 0.0267 0.0072
 Uranus -67707-03-26 02:23 J -23008474.50 -23008474.40 -23008474.24 0.0147 0.0134
 Uranus -67705-03-01 13:25 J -23007768.25 -23007767.94 -23007767.62 0.0147 0.0039
 Saturn -67702-06-27 03:49 J -23006555.58 -23006555.34 -23006555.11 0.0293 0.0140
 Jupiter -67700-12-29 11:30 J -23005639.04 -23005639.02 -23005638.98 0.0499 0.0496
 Saturn -67686-07-21 16:04 J -23000687.08 -23000686.83 -23000686.57 0.0269 0.0164
 Neptune -67683-03-09 18:28 J -22999724.89 -22999724.73 -22999724.54 0.0089 0.0069
 Jupiter -67682-12-10 05:16 J -22999084.53 -22999084.28 -22999084.03 0.0527 0.0005
 Neptune -67681-01-31 23:59 J -22999031.77 -22999031.50 -22999031.22 0.0089 0.0012
 Neptune -67680-12-25 06:42 J -22998338.44 -22998338.22 -22998337.96 0.0089 0.0046
 Uranus -67665-09-12 15:35 J -22992963.12 -22992962.85 -22992962.56 0.0132 0.0035
 Jupiter -67664-10-06 19:25 J -22992573.96 -22992573.69 -22992573.42 0.0499 0.0234
 Uranus -67663-08-12 19:11 J -22992263.94 -22992263.70 -22992263.45 0.0132 0.0072
 Pluto -67646-08-20 16:18 J -22986047.06 -22986046.82 -22986046.54 0.0079 0.0033

Saturn -67644-10-02 20:09 J -22985272.91 -22985272.66 -22985272.40 0.0296 0.0080
 Saturn -67628-10-24 02:52 J -22979407.70 -22979407.38 -22979407.05 0.0267 0.0039
 Uranus -67623-11-20 10:47 J -22977554.32 -22977554.05 -22977553.75 0.0147 0.0070
 Uranus -67621-10-27 02:23 J -22976847.60 -22976847.40 -22976847.15 0.0147 0.0108
 Saturn -67614-11-20 16:33 J -22974267.03 -22974266.81 -22974266.58 0.0293 0.0156
 Neptune -67601-01-09 22:47 J -22969833.66 -22969833.55 -22969833.40 0.0088 0.0082
 Neptune -67600-12-06 20:52 J -22969136.97 -22969136.63 -22969136.27 0.0088 0.0010
 Neptune -67598-11-03 16:18 J -22968440.04 -22968439.82 -22968439.54 0.0088 0.0063
 Saturn -67598-12-15 17:30 J -22968398.00 -22968397.77 -22968397.54 0.0270 0.0191
 Uranus -67582-06-08 08:09 J -22962744.32 -22962744.16 -22962743.96 0.0132 0.0104
 Uranus -67580-05-07 17:45 J -22962045.05 -22962044.76 -22962044.47 0.0132 0.0006
 Uranus -67578-04-06 18:13 J -22961345.88 -22961345.74 -22961345.59 0.0131 0.0113
 Saturn -67569-01-27 22:04 J -22958127.71 -22958127.58 -22958127.41 0.0265 0.0235
 Jupiter -67563-05-31 22:18 J -22955811.73 -22955811.57 -22955811.42 0.0527 0.0407
 Saturn -67555-02-26 22:18 J -22952983.82 -22952983.57 -22952983.30 0.0296 0.0058
 Jupiter -67545-03-24 09:21 J -22949305.36 -22949305.11 -22949304.85 0.0499 0.0268
 Saturn -67539-03-20 16:33 J -22947118.14 -22947117.81 -22947117.49 0.0268 0.0006
 Uranus -67538-07-17 23:01 J -22946633.86 -22946633.54 -22946633.21 0.0147 0.0003
 Jupiter -67527-03-04 22:04 J -22942750.81 -22942750.58 -22942750.34 0.0527 0.0169
 Saturn -67525-04-15 21:49 J -22941977.79 -22941977.59 -22941977.38 0.0292 0.0190
 Neptune -67518-09-16 23:45 J -22939267.74 -22939267.51 -22939267.23 0.0089 0.0036
 Neptune -67516-08-10 05:01 J -22938574.55 -22938574.29 -22938574.01 0.0089 0.0022
 Neptune -67514-07-04 11:59 J -22937881.10 -22937881.00 -22937880.84 0.0089 0.0079
 Jupiter -67510-12-30 23:01 J -22936240.70 -22936240.54 -22936240.37 0.0498 0.0420
 Saturn -67509-05-11 14:37 J -22936108.04 -22936107.89 -22936107.72 0.0270 0.0234
 Uranus -67497-01-31 14:09 J -22931826.16 -22931825.91 -22931825.64 0.0132 0.0062
 Saturn -67497-06-05 12:28 J -22931700.08 -22931699.98 -22931699.86 0.0298 0.0269
 Uranus -67496-12-30 20:23 J -22931126.91 -22931126.65 -22931126.37 0.0131 0.0048
 Saturn -67481-06-23 19:54 J -22925837.87 -22925837.67 -22925837.44 0.0266 0.0200
 Saturn -67467-07-24 16:18 J -22920694.08 -22920693.82 -22920693.55 0.0295 0.0016

Uranus -67455-04-07 00:13 J -22916419.69 -22916419.49 -22916419.27 0.0147 0.0111
 Uranus -67453-03-13 10:18 J -22915713.35 -22915713.07 -22915712.76 0.0147 0.0066
 Saturn -67451-08-15 18:28 J -22914828.06 -22914827.73 -22914827.41 0.0268 0.0035
 Saturn -67437-09-10 20:09 J -22909687.82 -22909687.66 -22909687.48 0.0292 0.0224
 Neptune -67436-07-20 00:28 J -22909375.78 -22909375.48 -22909375.14 0.0088 0.0040
 Neptune -67434-06-16 21:49 J -22908678.90 -22908678.59 -22908678.24 0.0088 0.0033
 Uranus -67413-09-24 16:47 J -22900908.09 -22900907.80 -22900907.51 0.0131 0.0020
 Uranus -67411-08-24 19:25 J -22900208.88 -22900208.69 -22900208.46 0.0131 0.0089
 Jupiter -67409-08-24 00:13 J -22899478.70 -22899478.49 -22899478.28 0.0527 0.0278
 Saturn -67409-10-31 15:06 J -22899410.03 -22899409.87 -22899409.68 0.0297 0.0222
 Pluto -67399-01-10 01:54 J -22896052.63 -22896052.42 -22896052.16 0.0079 0.0045
 Saturn -67393-11-18 20:52 J -22893547.88 -22893547.63 -22893547.36 0.0266 0.0163
 Jupiter -67391-06-17 04:33 J -22892972.61 -22892972.31 -22892972.01 0.0498 0.0099
 Saturn -67379-12-19 20:23 J -22888403.91 -22888403.65 -22888403.38 0.0295 0.0023
 Jupiter -67373-05-28 01:54 J -22886417.62 -22886417.42 -22886417.22 0.0527 0.0313
 Uranus -67371-12-02 01:25 J -22885499.73 -22885499.44 -22885499.12 0.0147 0.0049
 Uranus -67369-11-07 17:16 J -22884792.89 -22884792.78 -22884792.61 0.0147 0.0133
 Saturn -67362-01-10 20:09 J -22882537.96 -22882537.66 -22882537.34 0.0268 0.0075
 Neptune -67354-05-02 23:01 J -22879503.73 -22879503.54 -22879503.31 0.0089 0.0059
 Neptune -67352-03-26 05:16 J -22878810.56 -22878810.28 -22878810.00 0.0089 0.0002
 Neptune -67350-02-17 10:04 J -22878117.29 -22878117.08 -22878116.85 0.0089 0.0054
 Saturn -67348-02-05 23:16 J -22877397.61 -22877397.53 -22877397.42 0.0291 0.0270
 Uranus -67330-06-20 09:49 J -22870689.28 -22870689.09 -22870688.85 0.0131 0.0090
 Uranus -67328-05-19 18:57 J -22869989.99 -22869989.71 -22869989.42 0.0131 0.0023
 Uranus -67326-04-18 20:37 J -22869290.65 -22869290.64 -22869290.60 0.0131 0.0131
 Saturn -67320-03-28 17:59 J -22867119.94 -22867119.75 -22867119.53 0.0297 0.0186
 Saturn -67304-04-15 16:04 J -22861258.10 -22861257.83 -22861257.53 0.0266 0.0127
 Saturn -67290-05-16 21:06 J -22856113.88 -22856113.62 -22856113.36 0.0294 0.0067
 Uranus -67286-07-28 23:16 J -22854579.85 -22854579.53 -22854579.20 0.0147 0.0014
 Saturn -67274-06-07 08:37 J -22850248.44 -22850248.14 -22850247.84 0.0269 0.0105

Neptune -67272-03-02 02:37 J -22849614.58 -22849614.39 -22849614.14 0.0088 0.0070
 Neptune -67270-01-28 01:11 J -22848917.80 -22848917.45 -22848917.10 0.0088 0.0002
 Neptune -67269-12-24 22:04 J -22848220.76 -22848220.58 -22848220.37 0.0088 0.0073
 Jupiter -67255-11-17 11:01 J -22843145.28 -22843145.04 -22843144.80 0.0526 0.0118
 Uranus -67245-02-12 13:11 J -22839771.21 -22839770.95 -22839770.66 0.0131 0.0046
 Uranus -67243-01-11 20:23 J -22839071.88 -22839071.65 -22839071.38 0.0131 0.0066
 Jupiter -67237-09-09 07:54 J -22836639.47 -22836639.17 -22836638.87 0.0499 0.0085
 Saturn -67232-08-23 08:09 J -22834830.38 -22834830.16 -22834829.92 0.0297 0.0149
 Jupiter -67219-08-21 09:35 J -22830084.22 -22830084.10 -22830083.98 0.0527 0.0458
 Saturn -67216-09-09 16:04 J -22828969.13 -22828968.83 -22828968.53 0.0266 0.0104
 Uranus -67203-04-17 16:18 J -22824366.03 -22824365.82 -22824365.56 0.0147 0.0100
 Saturn -67202-10-11 04:33 J -22823824.56 -22823824.31 -22823824.05 0.0295 0.0094
 Uranus -67201-03-23 23:45 J -22823659.76 -22823659.51 -22823659.22 0.0147 0.0081
 Neptune -67191-12-16 20:37 J -22819739.72 -22819739.64 -22819739.50 0.0089 0.0082
 Neptune -67189-11-09 02:23 J -22819046.65 -22819046.40 -22819046.12 0.0089 0.0026
 Neptune -67187-10-03 08:37 J -22818353.39 -22818353.14 -22818352.86 0.0089 0.0030
 Saturn -67186-11-01 04:18 J -22817959.60 -22817959.32 -22817959.03 0.0268 0.0131
 Neptune -67185-08-26 13:40 J -22817659.98 -22817659.93 -22817659.85 0.0089 0.0086
 Uranus -67163-11-07 03:06 J -22809552.49 -22809552.37 -22809552.21 0.0132 0.0117
 Uranus -67161-10-06 17:16 J -22808853.08 -22808852.78 -22808852.49 0.0131 0.0003
 Uranus -67159-09-05 22:47 J -22808153.69 -22808153.55 -22808153.37 0.0131 0.0108
 Pluto -67153-06-01 20:52 J -22806057.89 -22806057.63 -22806057.34 0.0079 0.0025
 Saturn -67143-01-17 02:09 J -22802541.64 -22802541.41 -22802541.17 0.0298 0.0129
 Jupiter -67136-05-09 07:25 J -22799872.23 -22799872.19 -22799872.15 0.0526 0.0518
 Saturn -67127-02-02 23:01 J -22796680.85 -22796680.54 -22796680.23 0.0265 0.0082
 Uranus -67119-12-12 22:18 J -22793445.88 -22793445.57 -22793445.25 0.0147 0.0032
 Jupiter -67118-02-26 13:11 J -22793370.13 -22793369.95 -22793369.75 0.0499 0.0387
 Saturn -67113-03-05 16:47 J -22791536.04 -22791535.80 -22791535.55 0.0295 0.0113
 Neptune -67107-09-10 00:42 J -22789156.78 -22789156.47 -22789156.11 0.0088 0.0029
 Neptune -67105-08-06 22:47 J -22788459.85 -22788459.55 -22788459.23 0.0088 0.0042

Jupiter -67100-02-10 11:01 J -22786811.29 -22786811.04 -22786810.79 0.0527 0.0070
 Saturn -67097-03-25 23:45 J -22785671.77 -22785671.51 -22785671.22 0.0268 0.0140
 Jupiter -67083-12-04 07:40 J -22780305.41 -22780305.18 -22780304.94 0.0499 0.0311
 Uranus -67078-07-02 09:21 J -22778634.33 -22778634.11 -22778633.84 0.0132 0.0073
 Uranus -67076-05-31 21:49 J -22777934.86 -22777934.59 -22777934.30 0.0131 0.0042
 Saturn -67055-06-12 01:40 J -22770253.67 -22770253.43 -22770253.19 0.0298 0.0121
 Saturn -67039-06-28 09:35 J -22764393.41 -22764393.10 -22764392.78 0.0265 0.0076
 Uranus -67036-09-02 12:28 J -22763231.04 -22763230.98 -22763230.85 0.0147 0.0140
 Uranus -67034-08-09 11:45 J -22762525.31 -22762525.01 -22762524.68 0.0147 0.0040
 Neptune -67025-06-24 23:30 J -22759282.72 -22759282.52 -22759282.26 0.0089 0.0050
 Saturn -67025-07-29 09:49 J -22759248.32 -22759248.09 -22759247.84 0.0295 0.0119
 Neptune -67023-05-19 05:30 J -22758589.55 -22758589.27 -22758588.99 0.0089 0.0006
 Neptune -67021-04-11 12:13 J -22757896.19 -22757895.99 -22757895.79 0.0089 0.0061
 Saturn -67009-08-18 10:33 J -22753384.33 -22753384.06 -22753383.80 0.0267 0.0154

67TH MILLENNIUM BCE

This is a list of transits of Mars in the 67th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-66993-02-24	20:09	J	-22747715.94	-22747715.66	-22747715.36	0.0132	0.0027
Uranus	-66991-01-24	04:47	J	-22747016.50	-22747016.30	-22747016.07	0.0131	0.0087
Jupiter	-66982-08-03	22:04	J	-22743537.79	-22743537.58	-22743537.37	0.0526	0.0289
Saturn	-66967-11-04	09:21	J	-22737966.35	-22737966.11	-22737965.87	0.0298	0.0120
Jupiter	-66964-05-23	05:59	J	-22737035.54	-22737035.25	-22737034.95	0.0499	0.0126

Uranus -66951-04-29 23:59 J -22732310.76 -22732310.50 -22732310.20 0.0147 0.0072
 Saturn -66951-11-20 17:59 J -22732106.07 -22732105.75 -22732105.43 0.0264 0.0061
 Uranus -66949-04-05 05:16 J -22731604.46 -22731604.28 -22731604.04 0.0147 0.0113
 Jupiter -66946-05-08 14:37 J -22730476.08 -22730475.89 -22730475.70 0.0526 0.0334
 Neptune -66943-04-22 23:16 J -22729395.79 -22729395.53 -22729395.27 0.0089 0.0060
 Neptune -66941-03-19 21:35 J -22728698.94 -22728698.60 -22728698.24 0.0088 0.0011
 Neptune -66939-02-14 18:28 J -22728001.85 -22728001.73 -22728001.56 0.0088 0.0081
 Saturn -66937-12-21 18:57 J -22726960.95 -22726960.71 -22726960.46 0.0296 0.0117
 Saturn -66920-01-10 12:13 J -22721097.24 -22721096.99 -22721096.72 0.0267 0.0156
 Uranus -66911-11-19 13:11 J -22717497.13 -22717496.95 -22717496.73 0.0132 0.0098
 Uranus -66909-10-19 04:18 J -22716797.61 -22716797.32 -22716797.03 0.0131 0.0019
 Uranus -66907-09-18 09:21 J -22716098.13 -22716098.11 -22716098.08 0.0131 0.0131
 Pluto -66907-10-24 02:37 J -22716062.65 -22716062.39 -22716062.12 0.0079 0.0029
 Saturn -66878-03-29 17:01 J -22705679.03 -22705678.79 -22705678.55 0.0299 0.0124
 Uranus -66867-12-25 09:49 J -22701390.41 -22701390.09 -22701389.77 0.0147 0.0002
 Saturn -66862-04-15 01:54 J -22699818.74 -22699818.42 -22699818.09 0.0264 0.0055
 Neptune -66861-02-08 20:52 J -22699518.77 -22699518.63 -22699518.46 0.0089 0.0073
 Neptune -66859-01-02 01:54 J -22698825.70 -22698825.42 -22698825.15 0.0089 0.0018
 Neptune -66858-11-26 06:13 J -22698132.49 -22698132.24 -22698131.97 0.0089 0.0037
 Saturn -66848-05-16 01:54 J -22694673.65 -22694673.42 -22694673.17 0.0296 0.0120
 Saturn -66832-06-05 05:01 J -22688809.53 -22688809.29 -22688809.05 0.0266 0.0176
 Jupiter -66828-10-29 04:33 J -22687202.56 -22687202.31 -22687202.06 0.0526 0.0015
 Uranus -66826-07-15 00:28 J -22686578.74 -22686578.48 -22686578.19 0.0131 0.0052
 Uranus -66824-06-13 11:01 J -22685879.28 -22685879.04 -22685878.77 0.0131 0.0064
 Jupiter -66810-08-18 14:09 J -22680700.19 -22680699.91 -22680699.62 0.0499 0.0173
 Saturn -66804-07-18 01:40 J -22678539.48 -22678539.43 -22678539.33 0.0262 0.0256
 Saturn -66790-08-22 05:30 J -22673391.51 -22673391.27 -22673391.02 0.0299 0.0117
 Uranus -66784-09-14 16:18 J -22671175.99 -22671175.82 -22671175.60 0.0147 0.0116
 Uranus -66782-08-21 15:06 J -22670470.14 -22670469.87 -22670469.56 0.0148 0.0067
 Neptune -66778-10-31 16:18 J -22668938.15 -22668937.82 -22668937.46 0.0088 0.0022

Neptune -66776-09-27 14:37 J -22668241.17 -22668240.89 -22668240.58 0.0088 0.0049
 Saturn -66774-09-08 05:45 J -22667530.58 -22667530.26 -22667529.92 0.0264 0.0030
 Saturn -66760-10-08 21:49 J -22662385.83 -22662385.59 -22662385.35 0.0297 0.0124
 Pluto -66748-08-28 12:13 J -22658044.31 -22658043.99 -22658043.63 0.0066 0.0017
 Saturn -66744-10-29 10:04 J -22656521.29 -22656521.08 -22656520.85 0.0267 0.0194
 Uranus -66743-04-08 15:21 J -22656359.94 -22656359.86 -22656359.74 0.0132 0.0124
 Uranus -66741-03-08 09:21 J -22655660.41 -22655660.11 -22655659.82 0.0131 0.0005
 Uranus -66739-02-05 17:59 J -22654960.90 -22654960.75 -22654960.58 0.0131 0.0108
 Saturn -66716-12-11 17:16 J -22646250.93 -22646250.78 -22646250.61 0.0262 0.0228
 Jupiter -66709-04-20 05:16 J -22643929.44 -22643929.28 -22643929.11 0.0526 0.0394
 Saturn -66701-01-15 13:25 J -22641103.18 -22641102.94 -22641102.69 0.0299 0.0107
 Uranus -66699-05-11 11:59 J -22640256.28 -22640256.00 -22640255.68 0.0147 0.0053
 Uranus -66697-04-16 15:21 J -22639549.97 -22639549.86 -22639549.70 0.0148 0.0134
 Neptune -66696-08-17 20:23 J -22639061.87 -22639061.65 -22639061.38 0.0089 0.0043
 Neptune -66694-07-12 02:09 J -22638368.68 -22638368.41 -22638368.12 0.0089 0.0013
 Neptune -66692-06-04 06:57 J -22637675.38 -22637675.21 -22637675.01 0.0089 0.0067
 Jupiter -66691-02-04 00:28 J -22637430.72 -22637430.48 -22637430.23 0.0499 0.0285
 Saturn -66685-02-02 01:40 J -22635241.76 -22635241.43 -22635241.10 0.0264 0.0004
 Jupiter -66673-01-23 11:01 J -22630868.27 -22630868.04 -22630867.81 0.0527 0.0192
 Saturn -66671-03-04 09:35 J -22630097.32 -22630097.10 -22630096.86 0.0296 0.0148
 Uranus -66659-12-02 02:09 J -22625441.63 -22625441.41 -22625441.14 0.0132 0.0077
 Uranus -66657-10-31 17:01 J -22624742.05 -22624741.79 -22624741.49 0.0131 0.0042
 Jupiter -66656-11-11 10:33 J -22624366.25 -22624366.06 -22624365.87 0.0499 0.0393
 Saturn -66655-03-25 16:18 J -22624231.96 -22624231.82 -22624231.63 0.0266 0.0231
 Saturn -66627-05-08 00:57 J -22613961.66 -22613961.46 -22613961.23 0.0263 0.0198
 Uranus -66614-01-05 14:09 J -22609336.22 -22609335.91 -22609335.59 0.0148 0.0016
 Neptune -66614-06-13 10:18 J -22609177.34 -22609177.07 -22609176.77 0.0089 0.0053
 Saturn -66613-06-10 16:18 J -22608814.07 -22608813.82 -22608813.56 0.0298 0.0074
 Neptune -66612-05-10 07:40 J -22608480.51 -22608480.18 -22608479.81 0.0088 0.0017
 Neptune -66610-04-07 05:01 J -22607783.34 -22607783.29 -22607783.16 0.0088 0.0086

Saturn -66597-06-28 18:13 J -22602952.06 -22602951.74 -22602951.40 0.0265 0.0034
 Saturn -66583-07-29 17:59 J -22597807.96 -22597807.75 -22597807.53 0.0296 0.0174
 Uranus -66574-07-27 11:45 J -22594523.29 -22594523.01 -22594522.71 0.0131 0.0029
 Uranus -66572-06-26 00:42 J -22593823.66 -22593823.47 -22593823.22 0.0131 0.0088
 Jupiter -66555-07-14 16:04 J -22587596.05 -22587595.83 -22587595.60 0.0527 0.0238
 Saturn -66555-09-18 03:06 J -22587530.41 -22587530.37 -22587530.31 0.0300 0.0294
 Saturn -66539-10-02 23:01 J -22581671.78 -22581671.54 -22581671.26 0.0263 0.0163
 Jupiter -66537-04-29 05:01 J -22581097.59 -22581097.29 -22581096.99 0.0499 0.0098
 Neptune -66532-04-02 13:25 J -22579298.10 -22579297.94 -22579297.73 0.0089 0.0067
 Uranus -66532-09-26 05:30 J -22579121.49 -22579121.27 -22579121.02 0.0147 0.0096
 Neptune -66530-02-24 18:57 J -22578604.98 -22578604.71 -22578604.43 0.0089 0.0013
 Uranus -66530-09-02 00:13 J -22578415.75 -22578415.49 -22578415.23 0.0148 0.0088
 Neptune -66528-01-18 00:28 J -22577911.71 -22577911.48 -22577911.22 0.0089 0.0042
 Saturn -66525-11-05 11:30 J -22576524.28 -22576524.02 -22576523.76 0.0299 0.0040
 Jupiter -66519-04-17 21:35 J -22574534.77 -22574534.60 -22574534.41 0.0527 0.0355
 Saturn -66509-11-23 19:11 J -22570662.01 -22570661.70 -22570661.37 0.0265 0.0072
 Pluto -66501-01-19 12:42 J -22568049.12 -22568048.97 -22568048.78 0.0066 0.0057
 Saturn -66495-12-24 17:59 J -22565517.93 -22565517.75 -22565517.57 0.0295 0.0219
 Uranus -66491-04-21 03:35 J -22564304.52 -22564304.35 -22564304.14 0.0132 0.0102
 Uranus -66489-03-21 00:13 J -22563604.78 -22563604.49 -22563604.19 0.0131 0.0018
 Saturn -66466-02-13 06:13 J -22555240.37 -22555240.24 -22555240.10 0.0300 0.0257
 Neptune -66450-01-24 00:13 J -22549416.56 -22549416.49 -22549416.35 0.0088 0.0085
 Saturn -66450-02-27 23:45 J -22549381.79 -22549381.51 -22549381.21 0.0263 0.0123
 Neptune -66449-12-20 23:45 J -22548719.85 -22548719.51 -22548719.15 0.0088 0.0016
 Uranus -66447-05-23 19:11 J -22548201.01 -22548200.70 -22548200.38 0.0147 0.0024
 Neptune -66447-11-17 21:06 J -22548022.88 -22548022.62 -22548022.32 0.0088 0.0053
 Saturn -66436-04-02 16:04 J -22544234.09 -22544233.83 -22544233.56 0.0298 0.0008
 Saturn -66420-04-20 17:59 J -22538372.04 -22538371.75 -22538371.44 0.0266 0.0108
 Uranus -66407-12-14 20:52 J -22533385.91 -22533385.63 -22533385.36 0.0132 0.0053
 Saturn -66406-05-21 20:52 J -22533227.75 -22533227.63 -22533227.50 0.0295 0.0256

Uranus -66405-11-13 13:11 J -22532686.19 -22532685.95 -22532685.68 0.0131 0.0067
 Jupiter -66401-10-06 21:35 J -22531262.85 -22531262.60 -22531262.35 0.0526 0.0092
 Jupiter -66383-07-23 01:40 J -22524764.73 -22524764.43 -22524764.13 0.0499 0.0066
 Saturn -66378-07-11 09:06 J -22522950.30 -22522950.12 -22522949.93 0.0300 0.0210
 Neptune -66367-10-10 11:01 J -22518841.29 -22518841.04 -22518840.78 0.0089 0.0037
 Jupiter -66365-07-10 21:06 J -22518201.72 -22518201.62 -22518201.52 0.0527 0.0480
 Neptune -66365-09-02 15:21 J -22518148.12 -22518147.86 -22518147.57 0.0089 0.0017
 Uranus -66364-02-11 20:09 J -22517985.77 -22517985.66 -22517985.52 0.0147 0.0134
 Neptune -66363-07-27 21:49 J -22517454.76 -22517454.59 -22517454.42 0.0089 0.0070
 Uranus -66362-01-18 08:52 J -22517280.42 -22517280.13 -22517279.82 0.0148 0.0050
 Saturn -66362-07-25 15:06 J -22517092.17 -22517091.87 -22517091.55 0.0264 0.0094
 Saturn -66348-08-28 14:09 J -22511944.17 -22511943.91 -22511943.65 0.0298 0.0045
 Saturn -66332-09-15 05:45 J -22506082.53 -22506082.26 -22506081.97 0.0266 0.0142
 Uranus -66324-09-08 12:13 J -22503167.07 -22503166.99 -22503166.90 0.0132 0.0126
 Uranus -66322-08-09 12:28 J -22502467.28 -22502466.98 -22502466.68 0.0131 0.0004
 Uranus -66320-07-09 00:57 J -22501767.58 -22501767.46 -22501767.29 0.0131 0.0115
 Saturn -66290-12-05 22:18 J -22490660.77 -22490660.57 -22490660.35 0.0300 0.0178
 Neptune -66285-08-02 11:59 J -22488959.29 -22488959.00 -22488958.69 0.0088 0.0048
 Neptune -66283-06-30 10:33 J -22488262.39 -22488262.06 -22488261.70 0.0088 0.0021
 Jupiter -66282-03-29 03:21 J -22487990.38 -22487990.36 -22487990.33 0.0526 0.0523
 Neptune -66281-05-27 08:23 J -22487565.18 -22487565.15 -22487565.11 0.0088 0.0088
 Uranus -66280-10-09 05:01 J -22487065.56 -22487065.29 -22487064.99 0.0147 0.0065
 Uranus -66278-09-15 00:42 J -22486359.62 -22486359.47 -22486359.28 0.0148 0.0125
 Saturn -66274-12-19 15:49 J -22484803.16 -22484802.84 -22484802.52 0.0263 0.0062
 Jupiter -66264-01-08 02:09 J -22481495.57 -22481495.41 -22481495.24 0.0500 0.0418
 Saturn -66259-01-22 22:18 J -22479654.82 -22479654.57 -22479654.31 0.0298 0.0078
 Jupiter -66247-12-31 07:25 J -22474929.44 -22474929.19 -22474928.94 0.0527 0.0061
 Saturn -66243-02-08 21:49 J -22473793.84 -22473793.59 -22473793.32 0.0266 0.0162
 Uranus -66239-05-04 05:59 J -22472248.47 -22472248.25 -22472247.98 0.0131 0.0077
 Uranus -66237-04-03 01:40 J -22471548.70 -22471548.43 -22471548.14 0.0131 0.0045

Jupiter -66229-10-15 09:06 J -22468431.38 -22468431.12 -22468430.86 0.0499 0.0251
 Saturn -66215-03-23 23:45 J -22463523.52 -22463523.51 -22463523.49 0.0261 0.0261
 Neptune -66203-05-26 01:40 J -22459077.62 -22459077.43 -22459077.22 0.0089 0.0062
 Neptune -66201-04-18 06:57 J -22458384.48 -22458384.21 -22458383.92 0.0089 0.0009
 Saturn -66201-04-30 17:45 J -22458371.97 -22458371.76 -22458371.53 0.0300 0.0155
 Neptune -66199-03-12 11:01 J -22457691.26 -22457691.04 -22457690.78 0.0089 0.0045
 Uranus -66195-06-05 05:30 J -22456145.58 -22456145.27 -22456144.95 0.0147 0.0005
 Saturn -66185-05-13 21:49 J -22452514.91 -22452514.59 -22452514.26 0.0263 0.0046
 Saturn -66171-06-18 10:18 J -22447366.31 -22447366.07 -22447365.81 0.0298 0.0097
 Saturn -66155-07-04 23:59 J -22441505.73 -22441505.50 -22441505.26 0.0265 0.0184
 Uranus -66155-12-27 22:33 J -22441329.85 -22441329.56 -22441329.26 0.0131 0.0026
 Uranus -66153-11-26 14:52 J -22440630.06 -22440629.88 -22440629.66 0.0131 0.0094
 Jupiter -66128-06-22 06:28 J -22431656.43 -22431656.23 -22431656.03 0.0526 0.0323
 Saturn -66127-08-16 21:06 J -22431235.71 -22431235.62 -22431235.51 0.0261 0.0248
 Neptune -66121-03-14 23:45 J -22429198.63 -22429198.51 -22429198.32 0.0088 0.0080
 Neptune -66119-02-09 22:18 J -22428501.90 -22428501.57 -22428501.20 0.0088 0.0013
 Neptune -66117-01-07 20:37 J -22427804.90 -22427804.64 -22427804.35 0.0088 0.0056
 Saturn -66113-09-23 15:35 J -22426084.08 -22426083.85 -22426083.62 0.0301 0.0143
 Uranus -66112-02-23 20:37 J -22425930.83 -22425930.64 -22425930.42 0.0147 0.0113
 Uranus -66110-01-30 07:54 J -22425225.43 -22425225.17 -22425224.89 0.0148 0.0075
 Jupiter -66110-04-04 05:59 J -22425161.52 -22425161.25 -22425160.97 0.0499 0.0191
 Saturn -66097-10-06 17:45 J -22420227.08 -22420226.76 -22420226.42 0.0262 0.0025
 Jupiter -66092-03-27 03:35 J -22418594.55 -22418594.35 -22418594.14 0.0526 0.0303
 Saturn -66083-11-11 04:18 J -22415078.56 -22415078.32 -22415078.06 0.0299 0.0103
 Uranus -66072-09-21 11:16 J -22411111.21 -22411111.03 -22411110.82 0.0132 0.0100
 Uranus -66070-08-22 11:30 J -22410411.30 -22410411.02 -22410410.71 0.0131 0.0025
 Saturn -66067-11-27 11:16 J -22409218.24 -22409218.03 -22409217.79 0.0265 0.0193
 Neptune -66039-01-08 12:57 J -22399313.99 -22399313.96 -22399313.86 0.0089 0.0087
 Saturn -66038-01-09 12:57 J -22398948.10 -22398947.96 -22398947.78 0.0260 0.0228
 Neptune -66038-12-02 19:11 J -22398620.95 -22398620.70 -22398620.43 0.0089 0.0034

Neptune -66036-10-26 00:57 J -22397927.73 -22397927.46 -22397927.18 0.0089 0.0019

Neptune -66034-09-19 05:01 J -22397234.44 -22397234.29 -22397234.11 0.0089 0.0072

Uranus -66028-10-20 20:23 J -22395010.94 -22395010.65 -22395010.34 0.0147 0.0043

Uranus -66026-09-26 11:59 J -22394305.00 -22394305.00 -22394304.98 0.0148 0.0148

Saturn -66024-02-16 00:57 J -22393796.69 -22393796.46 -22393796.23 0.0302 0.0146

Saturn -66008-03-01 03:21 J -22387939.69 -22387939.36 -22387939.03 0.0262 0.0016

66TH MILLENNIUM BCE

This is a list of transits of Mars in the 66th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-65994-04-05	11:16 J	-22382791.27	-22382791.03	-22382790.78	0.0299	0.0106	
Uranus	-65987-05-17	03:21 J	-22380192.64	-22380192.36	-22380192.08	0.0132	0.0049	
Uranus	-65985-04-16	01:25 J	-22379492.66	-22379492.44	-22379492.18	0.0131	0.0075	
Saturn	-65978-04-21	23:30 J	-22376930.70	-22376930.52	-22376930.30	0.0264	0.0211	
Jupiter	-65974-09-17	14:09 J	-22375321.16	-22375320.91	-22375320.66	0.0526	0.0044	
Jupiter	-65956-06-29	14:37 J	-22368826.19	-22368825.89	-22368825.60	0.0500	0.0105	
Neptune	-65956-09-22	09:21 J	-22368741.41	-22368741.11	-22368740.79	0.0088	0.0044	
Neptune	-65954-08-20	07:11 J	-22368044.52	-22368044.20	-22368043.84	0.0088	0.0024	
Saturn	-65950-06-03	23:01 J	-22366660.70	-22366660.54	-22366660.34	0.0261	0.0219	
Uranus	-65943-06-17	09:35 J	-22364090.40	-22364090.10	-22364089.79	0.0147	0.0033	
Saturn	-65936-07-11	05:01 J	-22361509.51	-22361509.29	-22361509.05	0.0301	0.0145	
Pluto	-65923-06-30	22:47 J	-22356771.84	-22356771.55	-22356771.26	0.0079	0.0001	
Saturn	-65920-07-24	19:11 J	-22355652.03	-22355651.70	-22355651.37	0.0262	0.0003	

Saturn -65906-08-28 18:42 J -22350503.96 -22350503.72 -22350503.47 0.0300 0.0101
 Uranus -65904-02-08 15:06 J -22349973.94 -22349973.87 -22349973.74 0.0132 0.0125
 Uranus -65902-01-09 22:18 J -22349273.87 -22349273.57 -22349273.27 0.0132 0.0002
 Uranus -65901-12-09 16:33 J -22348573.88 -22348573.81 -22348573.70 0.0131 0.0125
 Saturn -65890-09-14 13:11 J -22344643.11 -22344642.95 -22344642.76 0.0264 0.0221
 Neptune -65874-07-18 06:28 J -22338857.42 -22338857.23 -22338856.99 0.0089 0.0059
 Neptune -65872-06-10 12:42 J -22338164.25 -22338163.97 -22338163.69 0.0089 0.0006
 Neptune -65870-05-04 18:57 J -22337470.94 -22337470.71 -22337470.46 0.0089 0.0046
 Saturn -65862-10-27 20:52 J -22334372.83 -22334372.63 -22334372.41 0.0260 0.0199
 Uranus -65860-03-08 16:04 J -22333875.09 -22333874.83 -22333874.56 0.0147 0.0079
 Uranus -65858-02-11 23:59 J -22333169.69 -22333169.50 -22333169.27 0.0148 0.0111
 Jupiter -65855-03-09 18:28 J -22332047.89 -22332047.73 -22332047.57 0.0526 0.0405
 Saturn -65848-12-03 18:42 J -22329221.95 -22329221.72 -22329221.50 0.0302 0.0147
 Jupiter -65838-12-17 19:25 J -22325555.92 -22325555.69 -22325555.46 0.0500 0.0314
 Saturn -65832-12-17 16:47 J -22323364.13 -22323363.80 -22323363.47 0.0262 0.0017
 Uranus -65820-10-04 13:40 J -22319055.17 -22319054.93 -22319054.66 0.0132 0.0072
 Jupiter -65820-12-12 07:11 J -22318986.43 -22318986.20 -22318985.97 0.0526 0.0193
 Uranus -65818-09-04 16:18 J -22318355.08 -22318354.82 -22318354.54 0.0131 0.0055
 Saturn -65817-01-21 12:57 J -22318216.20 -22318215.96 -22318215.71 0.0299 0.0112
 Jupiter -65802-09-23 23:59 J -22312491.71 -22312491.50 -22312491.28 0.0499 0.0351
 Saturn -65801-02-07 21:21 J -22312354.72 -22312354.61 -22312354.48 0.0264 0.0246
 Neptune -65792-05-04 21:06 J -22308980.80 -22308980.62 -22308980.43 0.0088 0.0075
 Neptune -65790-04-01 19:11 J -22308284.05 -22308283.70 -22308283.34 0.0088 0.0009
 Neptune -65788-02-26 16:47 J -22307587.06 -22307586.80 -22307586.52 0.0088 0.0058
 Uranus -65776-11-03 06:28 J -22302954.54 -22302954.23 -22302953.91 0.0147 0.0004
 Saturn -65773-03-22 05:30 J -22302084.49 -22302084.27 -22302084.02 0.0261 0.0181
 Pluto -65764-05-02 17:45 J -22298756.09 -22298755.76 -22298755.41 0.0066 0.0009
 Saturn -65759-04-29 01:25 J -22296933.67 -22296933.44 -22296933.19 0.0301 0.0129
 Saturn -65743-05-13 11:59 J -22291075.32 -22291075.00 -22291074.67 0.0262 0.0045
 Uranus -65735-05-30 10:47 J -22288136.35 -22288136.05 -22288135.75 0.0132 0.0019

Uranus -65733-04-29 08:09 J -22287436.32 -22287436.16 -22287435.97 0.0131 0.0106
 Saturn -65729-06-16 01:54 J -22285927.66 -22285927.42 -22285927.18 0.0300 0.0125
 Neptune -65710-03-02 19:25 J -22279093.78 -22279093.69 -22279093.60 0.0089 0.0083
 Neptune -65708-01-23 23:59 J -22278400.76 -22278400.50 -22278400.23 0.0089 0.0031
 Neptune -65707-12-18 04:47 J -22277707.56 -22277707.30 -22277707.02 0.0089 0.0021
 Neptune -65705-11-10 10:33 J -22277014.19 -22277014.06 -22277013.87 0.0089 0.0073
 Jupiter -65701-06-02 17:16 J -22275714.00 -22275713.78 -22275713.54 0.0526 0.0213
 Uranus -65693-07-25 11:01 J -22272739.20 -22272739.04 -22272738.83 0.0147 0.0118
 Uranus -65691-06-30 12:57 J -22272034.22 -22272033.96 -22272033.67 0.0147 0.0071
 Saturn -65685-08-16 11:45 J -22269795.27 -22269795.01 -22269794.73 0.0261 0.0152
 Jupiter -65683-03-12 13:54 J -22269222.21 -22269221.92 -22269221.62 0.0499 0.0098
 Saturn -65671-09-23 03:35 J -22264644.59 -22264644.35 -22264644.10 0.0302 0.0106
 Jupiter -65665-03-07 06:13 J -22262652.41 -22262652.24 -22262652.07 0.0526 0.0390
 Saturn -65655-10-07 22:18 J -22258785.87 -22258785.57 -22258785.24 0.0263 0.0078
 Uranus -65652-02-21 22:47 J -22257917.74 -22257917.55 -22257917.31 0.0132 0.0095
 Uranus -65650-01-23 05:01 J -22257217.58 -22257217.29 -22257217.00 0.0131 0.0034
 Saturn -65641-11-10 12:28 J -22253638.20 -22253637.98 -22253637.76 0.0299 0.0163
 Neptune -65627-11-12 06:57 J -22248523.51 -22248523.21 -22248522.88 0.0088 0.0040
 Neptune -65625-10-09 04:47 J -22247826.62 -22247826.30 -22247825.94 0.0088 0.0027
 Uranus -65608-03-21 11:01 J -22241819.32 -22241819.04 -22241818.73 0.0147 0.0048
 Uranus -65606-02-24 17:45 J -22241113.82 -22241113.76 -22241113.68 0.0148 0.0144
 Saturn -65596-01-11 06:57 J -22237505.50 -22237505.21 -22237504.91 0.0261 0.0115
 Saturn -65582-02-18 02:52 J -22232354.64 -22232354.38 -22232354.13 0.0301 0.0060
 Uranus -65568-10-17 17:45 J -22226999.03 -22226998.76 -22226998.46 0.0132 0.0042
 Saturn -65566-03-04 23:16 J -22226495.83 -22226495.53 -22226495.24 0.0263 0.0115
 Uranus -65566-09-17 19:25 J -22226298.89 -22226298.69 -22226298.44 0.0131 0.0086
 Saturn -65552-04-07 12:28 J -22221348.17 -22221347.98 -22221347.78 0.0299 0.0201
 Jupiter -65547-08-27 01:40 J -22219380.68 -22219380.43 -22219380.17 0.0526 0.0055
 Neptune -65545-09-08 11:59 J -22218637.20 -22218637.00 -22218636.76 0.0089 0.0056
 Neptune -65543-08-02 17:30 J -22217944.05 -22217943.77 -22217943.48 0.0089 0.0005

Neptune -65541-06-25 22:18 J -22217250.80 -22217250.57 -22217250.33 0.0089 0.0047
 Jupiter -65529-06-04 14:52 J -22212889.17 -22212888.88 -22212888.58 0.0499 0.0072
 Saturn -65524-05-27 19:25 J -22211070.76 -22211070.69 -22211070.59 0.0302 0.0284
 Uranus -65524-11-15 05:59 J -22210899.55 -22210899.25 -22210898.93 0.0147 0.0023
 Jupiter -65511-05-31 04:47 J -22206319.34 -22206319.30 -22206319.26 0.0527 0.0519
 Saturn -65508-06-08 08:09 J -22205215.46 -22205215.16 -22205214.83 0.0262 0.0080
 Saturn -65494-07-16 06:57 J -22200064.47 -22200064.21 -22200063.95 0.0301 0.0018
 Uranus -65485-07-11 21:49 J -22196780.70 -22196780.59 -22196780.45 0.0132 0.0120
 Uranus -65483-06-12 08:52 J -22196080.43 -22196080.13 -22196079.83 0.0132 0.0011
 Saturn -65478-07-30 23:16 J -22194205.79 -22194205.53 -22194205.26 0.0263 0.0156
 Saturn -65464-09-02 16:18 J -22189057.95 -22189057.82 -22189057.66 0.0298 0.0249
 Neptune -65463-06-24 21:21 J -22188762.80 -22188762.61 -22188762.37 0.0088 0.0070
 Neptune -65461-05-21 18:28 J -22188066.09 -22188065.73 -22188065.38 0.0088 0.0005
 Neptune -65459-04-18 15:49 J -22187369.08 -22187368.84 -22187368.57 0.0088 0.0061
 Uranus -65441-08-06 13:54 J -22180684.14 -22180683.92 -22180683.67 0.0147 0.0093
 Uranus -65439-07-12 10:18 J -22179979.30 -22179979.07 -22179978.82 0.0147 0.0097
 Saturn -65436-10-22 21:21 J -22178780.76 -22178780.61 -22178780.45 0.0302 0.0241
 Jupiter -65428-02-14 18:13 J -22176108.79 -22176108.74 -22176108.67 0.0526 0.0510
 Saturn -65420-11-03 01:40 J -22172925.75 -22172925.43 -22172925.10 0.0261 0.0040
 Jupiter -65411-11-21 16:18 J -22169619.98 -22169619.82 -22169619.65 0.0500 0.0412
 Saturn -65406-12-11 06:28 J -22167774.49 -22167774.23 -22167773.97 0.0300 0.0027
 Uranus -65400-03-06 15:35 J -22165862.10 -22165861.85 -22165861.57 0.0132 0.0068
 Uranus -65398-02-05 00:28 J -22165161.73 -22165161.48 -22165161.20 0.0132 0.0063
 Jupiter -65393-11-19 00:57 J -22163047.71 -22163047.46 -22163047.21 0.0527 0.0073
 Saturn -65390-12-25 11:16 J -22161916.24 -22161916.03 -22161915.78 0.0263 0.0187
 Neptune -65381-04-23 23:45 J -22158873.62 -22158873.51 -22158873.38 0.0089 0.0080
 Neptune -65379-03-18 05:59 J -22158180.50 -22158180.25 -22158179.97 0.0089 0.0029
 Neptune -65377-02-09 11:45 J -22157487.27 -22157487.01 -22157486.72 0.0089 0.0023
 Neptune -65375-01-02 16:04 J -22156793.96 -22156793.83 -22156793.65 0.0089 0.0074
 Saturn -65375-01-28 10:33 J -22156768.13 -22156768.06 -22156767.99 0.0298 0.0286

Jupiter -65375-08-28 11:01 J -22156556.31 -22156556.04 -22156555.78 0.0499 0.0226
 Saturn -65361-02-07 00:42 J -22151645.60 -22151645.47 -22151645.31 0.0260 0.0232
 Uranus -65356-04-02 18:28 J -22149764.04 -22149763.73 -22149763.42 0.0147 0.0019
 Saturn -65347-03-19 10:04 J -22146491.27 -22146491.08 -22146490.89 0.0302 0.0206
 Saturn -65331-03-30 02:23 J -22140636.73 -22140636.40 -22140636.07 0.0262 0.0014
 Saturn -65317-05-06 12:57 J -22135485.22 -22135484.96 -22135484.70 0.0301 0.0059
 Uranus -65316-10-30 10:33 J -22134943.36 -22134943.06 -22134942.75 0.0132 0.0014
 Uranus -65314-09-30 15:35 J -22134242.97 -22134242.85 -22134242.68 0.0132 0.0115
 Saturn -65301-05-20 05:16 J -22129627.45 -22129627.28 -22129627.08 0.0263 0.0217
 Neptune -65297-01-02 10:47 J -22128305.35 -22128305.05 -22128304.70 0.0088 0.0035
 Neptune -65296-11-29 07:40 J -22127608.49 -22127608.18 -22127607.83 0.0088 0.0031
 Jupiter -65274-05-11 07:40 J -22119775.36 -22119775.18 -22119774.98 0.0526 0.0345
 Uranus -65274-12-24 15:35 J -22119547.98 -22119547.85 -22119547.70 0.0146 0.0130
 Saturn -65273-07-02 13:54 J -22119357.10 -22119356.92 -22119356.72 0.0260 0.0212
 Uranus -65272-11-28 05:01 J -22118843.57 -22118843.29 -22118842.99 0.0147 0.0058
 Saturn -65259-08-13 00:28 J -22114202.68 -22114202.48 -22114202.26 0.0303 0.0182
 Jupiter -65256-02-14 05:30 J -22113286.53 -22113286.27 -22113286.00 0.0500 0.0224
 Saturn -65243-08-23 10:04 J -22108348.42 -22108348.08 -22108347.75 0.0261 0.0013
 Jupiter -65238-02-13 09:06 J -22106713.33 -22106713.12 -22106712.90 0.0526 0.0284
 Uranus -65233-07-24 15:49 J -22104725.04 -22104724.84 -22104724.61 0.0132 0.0095
 Uranus -65231-06-25 05:59 J -22104024.53 -22104024.25 -22104023.95 0.0132 0.0039
 Saturn -65229-09-29 21:49 J -22103196.85 -22103196.59 -22103196.34 0.0301 0.0075
 Jupiter -65221-11-21 19:11 J -22100221.81 -22100221.70 -22100221.58 0.0499 0.0460
 Neptune -65216-10-31 18:57 J -22098416.91 -22098416.71 -22098416.46 0.0089 0.0053
 Neptune -65214-09-25 01:11 J -22097723.73 -22097723.45 -22097723.16 0.0089 0.0002
 Saturn -65213-10-13 04:18 J -22097339.46 -22097339.32 -22097339.14 0.0263 0.0231
 Neptune -65212-08-18 07:11 J -22097030.42 -22097030.20 -22097029.96 0.0089 0.0049
 Uranus -65189-08-19 18:28 J -22088628.00 -22088627.73 -22088627.43 0.0147 0.0058
 Uranus -65187-07-25 14:37 J -22087922.99 -22087922.89 -22087922.75 0.0147 0.0136
 Pluto -65186-10-16 09:49 J -22087475.37 -22087475.09 -22087474.79 0.0079 0.0007

Saturn -65185-11-25 12:57 J -22087069.17 -22087068.96 -22087068.72 0.0259 0.0188
 Saturn -65170-01-05 20:23 J -22081914.86 -22081914.65 -22081914.43 0.0303 0.0177
 Saturn -65154-01-16 01:25 J -22076060.77 -22076060.44 -22076060.11 0.0261 0.0025
 Uranus -65148-03-19 11:45 J -22073806.28 -22073806.01 -22073805.70 0.0132 0.0042
 Uranus -65146-02-17 21:21 J -22073105.80 -22073105.61 -22073105.37 0.0132 0.0092
 Saturn -65140-02-22 13:40 J -22070909.18 -22070908.93 -22070908.67 0.0301 0.0086
 Neptune -65134-08-15 04:04 J -22068544.56 -22068544.33 -22068544.07 0.0088 0.0063
 Neptune -65132-07-12 01:54 J -22067847.77 -22067847.42 -22067847.07 0.0088 0.0001
 Neptune -65130-06-08 22:47 J -22067150.78 -22067150.55 -22067150.31 0.0088 0.0065
 Saturn -65124-03-07 18:57 J -22065051.79 -22065051.71 -22065051.59 0.0262 0.0250
 Jupiter -65120-08-05 10:47 J -22063440.30 -22063440.05 -22063439.80 0.0526 0.0078
 Uranus -65104-04-15 18:42 J -22057708.02 -22057707.72 -22057707.41 0.0147 0.0015
 Jupiter -65102-05-12 06:57 J -22056951.50 -22056951.21 -22056950.91 0.0500 0.0049
 Saturn -65096-04-20 01:11 J -22054781.68 -22054781.45 -22054781.20 0.0259 0.0176
 Saturn -65082-05-31 04:18 J -22049627.53 -22049627.32 -22049627.10 0.0303 0.0173
 Saturn -65066-06-10 15:35 J -22043773.18 -22043772.85 -22043772.53 0.0260 0.0044
 Uranus -65066-12-12 12:42 J -22043588.06 -22043587.97 -22043587.85 0.0132 0.0124
 Uranus -65064-11-12 06:42 J -22042887.52 -22042887.22 -22042886.91 0.0132 0.0013
 Neptune -65052-06-16 10:47 J -22038653.17 -22038653.05 -22038652.87 0.0089 0.0076
 Saturn -65052-07-17 20:23 J -22038621.90 -22038621.65 -22038621.40 0.0302 0.0080
 Neptune -65050-05-10 17:16 J -22037960.04 -22037959.78 -22037959.50 0.0089 0.0025
 Neptune -65048-04-02 22:18 J -22037266.82 -22037266.57 -22037266.28 0.0089 0.0026
 Neptune -65046-02-25 04:33 J -22036573.43 -22036573.31 -22036573.15 0.0089 0.0076
 Saturn -65036-07-31 04:47 J -22032764.33 -22032764.30 -22032764.24 0.0262 0.0259
 Pluto -65027-08-16 15:21 J -22029461.10 -22029460.86 -22029460.62 0.0066 0.0047
 Uranus -65021-01-06 00:28 J -22027492.69 -22027492.48 -22027492.26 0.0146 0.0105
 Uranus -65020-12-10 11:45 J -22026788.24 -22026788.01 -22026787.74 0.0147 0.0086
 Saturn -65008-09-12 17:45 J -22022494.00 -22022493.76 -22022493.48 0.0259 0.0159
 Jupiter -65001-01-26 13:11 J -22020167.09 -22020166.95 -22020166.81 0.0526 0.0435

65TH MILLENNIUM BCE

This is a list of transits of Mars in the 65th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-64994-10-23	09:21 J	-22017340.32	-22017340.11	-22017339.90	0.0304	0.0181	
Jupiter	-64984-10-30	02:23 J	-22013680.61	-22013680.40	-22013680.19	0.0500	0.0341	
Uranus	-64981-08-06	04:18 J	-22012669.56	-22012669.32	-22012669.04	0.0132	0.0070	
Uranus	-64979-07-07	19:25 J	-22011968.96	-22011968.69	-22011968.43	0.0132	0.0065	
Saturn	-64978-11-03	05:16 J	-22011485.59	-22011485.28	-22011484.95	0.0260	0.0056	
Neptune	-64968-02-21	21:06 J	-22008086.93	-22008086.62	-22008086.26	0.0088	0.0028	
Neptune	-64966-01-19	18:28 J	-22007390.03	-22007389.73	-22007389.38	0.0088	0.0037	
Jupiter	-64966-10-31	10:18 J	-22007105.31	-22007105.07	-22007104.83	0.0526	0.0176	
Saturn	-64964-12-10	05:01 J	-22006334.54	-22006334.29	-22006334.03	0.0302	0.0085	
Jupiter	-64948-08-05	23:45 J	-22000616.73	-22000616.51	-22000616.27	0.0499	0.0306	
Uranus	-64937-08-31	13:54 J	-21996573.21	-21996572.92	-21996572.61	0.0146	0.0037	
Saturn	-64919-02-05	15:21 J	-21990206.13	-21990205.86	-21990205.58	0.0259	0.0144	
Saturn	-64905-03-17	01:25 J	-21985052.64	-21985052.44	-21985052.21	0.0303	0.0172	
Uranus	-64896-03-31	18:28 J	-21981751.02	-21981750.73	-21981750.41	0.0132	0.0018	
Uranus	-64894-03-02	07:25 J	-21981050.32	-21981050.19	-21981050.04	0.0132	0.0117	
Saturn	-64889-03-28	11:45 J	-21979197.33	-21979197.01	-21979196.70	0.0260	0.0076	
Neptune	-64887-12-24	10:04 J	-21978196.31	-21978196.08	-21978195.84	0.0089	0.0047	
Neptune	-64885-11-16	16:04 J	-21977503.11	-21977502.83	-21977502.54	0.0089	0.0003	
Neptune	-64883-10-10	20:37 J	-21976809.85	-21976809.64	-21976809.40	0.0089	0.0053	
Saturn	-64875-05-04	23:45 J	-21974046.76	-21974046.51	-21974046.26	0.0302	0.0085	

Uranus -64852-04-27 09:21 J -21965653.40 -21965653.11 -21965652.80 0.0146 0.0036
 Jupiter -64847-04-22 01:40 J -21963832.67 -21963832.43 -21963832.19 0.0526 0.0205
 Saturn -64831-07-02 05:59 J -21957917.53 -21957917.25 -21957916.95 0.0259 0.0124
 Jupiter -64829-01-24 11:16 J -21957346.31 -21957346.03 -21957345.74 0.0499 0.0100
 Saturn -64817-08-10 07:54 J -21952764.39 -21952764.17 -21952763.95 0.0303 0.0165
 Uranus -64814-12-24 09:06 J -21951533.29 -21951533.12 -21951532.91 0.0133 0.0105
 Uranus -64812-11-24 07:25 J -21950832.47 -21950832.19 -21950831.89 0.0132 0.0035
 Jupiter -64811-01-24 23:30 J -21950770.67 -21950770.52 -21950770.36 0.0526 0.0412
 Neptune -64805-10-04 18:57 J -21948325.96 -21948325.71 -21948325.40 0.0088 0.0055
 Neptune -64803-09-01 16:04 J -21947629.17 -21947628.83 -21947628.47 0.0088 0.0009
 Neptune -64801-07-29 13:11 J -21946932.12 -21946931.95 -21946931.71 0.0088 0.0072
 Saturn -64801-08-22 04:33 J -21946908.60 -21946908.31 -21946907.99 0.0261 0.0101
 Saturn -64787-09-28 15:06 J -21941758.11 -21941757.87 -21941757.62 0.0301 0.0110
 Uranus -64769-01-18 04:18 J -21935437.57 -21935437.32 -21935437.06 0.0146 0.0080
 Uranus -64768-12-22 10:47 J -21934733.23 -21934733.05 -21934732.84 0.0147 0.0112
 Saturn -64743-11-26 08:23 J -21925628.46 -21925628.15 -21925627.84 0.0260 0.0095
 Uranus -64729-08-18 03:49 J -21920614.61 -21920614.34 -21920614.04 0.0133 0.0051
 Saturn -64728-01-04 15:21 J -21920475.09 -21920474.86 -21920474.62 0.0303 0.0130
 Uranus -64727-07-19 22:18 J -21919913.77 -21919913.57 -21919913.32 0.0132 0.0088
 Neptune -64723-08-09 03:35 J -21918432.52 -21918432.35 -21918432.16 0.0089 0.0068
 Neptune -64721-07-02 10:33 J -21917739.33 -21917739.06 -21917738.78 0.0089 0.0019
 Neptune -64719-05-26 17:16 J -21917046.03 -21917045.78 -21917045.50 0.0089 0.0031
 Neptune -64717-04-18 22:04 J -21916352.68 -21916352.58 -21916352.45 0.0089 0.0080
 Saturn -64712-01-16 16:04 J -21914619.10 -21914618.83 -21914618.53 0.0261 0.0131
 Saturn -64698-02-23 00:28 J -21909468.70 -21909468.48 -21909468.24 0.0302 0.0137
 Jupiter -64693-07-15 20:09 J -21907498.92 -21907498.66 -21907498.40 0.0526 0.0017
 Uranus -64685-09-13 03:35 J -21904517.65 -21904517.35 -21904517.04 0.0146 0.0008
 Jupiter -64675-04-19 00:42 J -21901012.76 -21901012.47 -21901012.18 0.0499 0.0093
 Saturn -64654-04-23 02:23 J -21893338.72 -21893338.40 -21893338.08 0.0260 0.0064
 Uranus -64644-04-12 20:09 J -21889695.96 -21889695.66 -21889695.35 0.0132 0.0004

Neptune -64641-05-17 19:25 J -21888564.80 -21888564.69 -21888564.51 0.0089 0.0081
 Saturn -64640-06-01 13:11 J -21888185.20 -21888184.95 -21888184.70 0.0303 0.0093
 Neptune -64639-04-14 16:04 J -21887868.16 -21887867.83 -21887867.47 0.0089 0.0019
 Neptune -64637-03-11 13:11 J -21887171.25 -21887170.95 -21887170.64 0.0088 0.0044
 Saturn -64624-06-13 11:16 J -21882329.27 -21882329.03 -21882328.77 0.0261 0.0169
 Saturn -64610-07-21 03:21 J -21877178.56 -21877178.36 -21877178.15 0.0301 0.0185
 Uranus -64602-06-06 00:57 J -21874301.60 -21874301.46 -21874301.28 0.0146 0.0124
 Uranus -64600-05-10 01:25 J -21873597.71 -21873597.44 -21873597.16 0.0146 0.0067
 Saturn -64596-07-27 17:45 J -21872057.83 -21872057.76 -21872057.68 0.0260 0.0252
 Jupiter -64574-01-04 03:49 J -21864227.43 -21864227.34 -21864227.23 0.0526 0.0483
 Saturn -64566-09-17 22:47 J -21861048.88 -21861048.55 -21861048.22 0.0260 0.0023
 Uranus -64561-01-05 13:11 J -21859478.17 -21859477.95 -21859477.70 0.0133 0.0085
 Uranus -64560-12-06 11:45 J -21858777.27 -21858777.01 -21858776.71 0.0132 0.0057
 Neptune -64559-03-25 00:28 J -21858668.50 -21858668.48 -21858668.45 0.0089 0.0088
 Neptune -64557-02-16 06:13 J -21857975.49 -21857975.24 -21857974.98 0.0089 0.0039
 Jupiter -64557-10-05 10:47 J -21857743.23 -21857743.05 -21857742.85 0.0500 0.0375
 Neptune -64555-01-09 12:28 J -21857282.26 -21857281.98 -21857281.70 0.0089 0.0010
 Neptune -64554-12-03 18:42 J -21856588.90 -21856588.72 -21856588.48 0.0089 0.0059
 Saturn -64552-10-27 19:40 J -21855894.94 -21855894.68 -21855894.42 0.0302 0.0041
 Jupiter -64539-10-08 15:21 J -21851166.11 -21851165.86 -21851165.61 0.0527 0.0103
 Pluto -64536-07-08 20:37 J -21850161.93 -21850161.64 -21850161.30 0.0065 0.0028
 Saturn -64536-11-08 09:35 J -21850039.28 -21850039.10 -21850038.88 0.0262 0.0206
 Saturn -64522-12-16 07:40 J -21844888.33 -21844888.18 -21844888.00 0.0301 0.0231
 Jupiter -64521-07-11 17:59 J -21844680.00 -21844679.75 -21844679.49 0.0499 0.0236
 Uranus -64517-01-30 13:11 J -21843382.21 -21843381.95 -21843381.65 0.0146 0.0056
 Uranus -64515-01-03 18:13 J -21842677.82 -21842677.74 -21842677.62 0.0147 0.0139
 Saturn -64508-12-22 11:59 J -21839768.18 -21839768.00 -21839767.79 0.0259 0.0209
 Saturn -64493-02-04 04:18 J -21834611.43 -21834611.32 -21834611.21 0.0304 0.0274
 Saturn -64477-02-12 16:47 J -21828759.13 -21828758.80 -21828758.46 0.0260 0.0013
 Uranus -64477-08-30 04:04 J -21828559.63 -21828559.33 -21828559.03 0.0133 0.0031

Neptune -64476-11-25 17:45 J -21828107.03 -21828106.76 -21828106.42 0.0089 0.0045
 Uranus -64475-07-31 22:18 J -21827858.72 -21827858.57 -21827858.38 0.0132 0.0109
 Neptune -64474-10-23 15:06 J -21827410.21 -21827409.87 -21827409.52 0.0088 0.0018
 Neptune -64472-09-19 11:45 J -21826713.14 -21826713.01 -21826712.83 0.0088 0.0080
 Saturn -64463-03-24 19:11 J -21823604.96 -21823604.70 -21823604.44 0.0302 0.0005
 Pluto -64448-01-31 17:01 J -21818177.96 -21818177.79 -21818177.55 0.0079 0.0057
 Saturn -64447-04-04 21:49 J -21817749.69 -21817749.59 -21817749.47 0.0261 0.0245
 Saturn -64433-05-12 03:21 J -21812598.46 -21812598.36 -21812598.24 0.0301 0.0273
 Uranus -64433-09-24 20:52 J -21812462.93 -21812462.63 -21812462.32 0.0146 0.0011
 Jupiter -64420-03-29 04:33 J -21807894.50 -21807894.31 -21807894.11 0.0526 0.0350
 Saturn -64419-05-18 22:47 J -21807478.78 -21807478.55 -21807478.30 0.0259 0.0177
 Saturn -64405-06-30 16:04 J -21802322.00 -21802321.83 -21802321.66 0.0304 0.0233
 Jupiter -64403-12-29 12:13 J -21801410.25 -21801409.99 -21801409.73 0.0500 0.0219
 Uranus -64394-05-24 11:30 J -21798342.12 -21798342.02 -21798341.88 0.0133 0.0123
 Neptune -64394-10-02 03:49 J -21798211.53 -21798211.34 -21798211.11 0.0089 0.0059
 Uranus -64392-04-24 16:04 J -21797641.12 -21797640.83 -21797640.51 0.0132 0.0024
 Neptune -64392-08-25 10:18 J -21797518.35 -21797518.07 -21797517.79 0.0089 0.0010
 Neptune -64390-07-19 15:49 J -21796825.09 -21796824.84 -21796824.58 0.0089 0.0038
 Saturn -64389-07-08 20:37 J -21796469.96 -21796469.64 -21796469.31 0.0260 0.0051
 Neptune -64388-06-11 22:04 J -21796131.61 -21796131.58 -21796131.48 0.0089 0.0087
 Jupiter -64384-01-01 10:04 J -21794832.29 -21794832.08 -21794831.86 0.0526 0.0281
 Saturn -64375-08-18 23:59 J -21791315.76 -21791315.50 -21791315.24 0.0303 0.0037
 Jupiter -64367-10-05 10:18 J -21788346.21 -21788346.07 -21788345.91 0.0499 0.0429
 Uranus -64350-06-17 10:33 J -21782247.26 -21782247.06 -21782246.86 0.0146 0.0110
 Uranus -64348-05-21 05:01 J -21781543.54 -21781543.29 -21781543.02 0.0146 0.0081
 Saturn -64331-10-12 17:16 J -21775190.05 -21775189.78 -21775189.50 0.0259 0.0143
 Saturn -64317-11-24 05:59 J -21770033.43 -21770033.25 -21770033.06 0.0304 0.0215
 Neptune -64312-07-08 22:33 J -21768345.75 -21768345.56 -21768345.31 0.0089 0.0069
 Neptune -64310-06-05 17:59 J -21767649.09 -21767648.75 -21767648.39 0.0089 0.0008
 Uranus -64309-01-16 23:01 J -21767423.79 -21767423.54 -21767423.26 0.0133 0.0069

Neptune -64308-05-02 14:23 J -21766952.16 -21766951.90 -21766951.60 0.0089 0.0054
 Uranus -64308-12-18 01:11 J -21766722.69 -21766722.45 -21766722.18 0.0132 0.0075
 Saturn -64301-12-02 07:25 J -21764181.50 -21764181.19 -21764180.87 0.0260 0.0073
 Saturn -64286-01-12 08:23 J -21759027.40 -21759027.15 -21759026.89 0.0303 0.0060
 Jupiter -64266-06-23 20:23 J -21751559.90 -21751559.65 -21751559.39 0.0526 0.0111
 Uranus -64265-02-10 20:37 J -21751327.93 -21751327.64 -21751327.35 0.0146 0.0041
 Jupiter -64248-03-24 23:16 J -21745075.82 -21745075.53 -21745075.24 0.0500 0.0015
 Saturn -64242-03-07 17:30 J -21742902.04 -21742901.77 -21742901.46 0.0259 0.0126
 Jupiter -64230-03-28 21:06 J -21738497.68 -21738497.62 -21738497.53 0.0526 0.0500
 Neptune -64230-05-18 00:28 J -21738447.59 -21738447.48 -21738447.32 0.0089 0.0078
 Neptune -64228-04-10 08:52 J -21737754.38 -21737754.13 -21737753.84 0.0089 0.0030
 Saturn -64228-04-19 01:25 J -21737745.63 -21737745.44 -21737745.24 0.0304 0.0201
 Neptune -64226-03-04 15:21 J -21737061.12 -21737060.86 -21737060.57 0.0089 0.0019
 Uranus -64225-09-10 12:28 J -21736505.28 -21736504.98 -21736504.67 0.0133 0.0016
 Neptune -64224-01-25 20:23 J -21736367.81 -21736367.65 -21736367.44 0.0089 0.0067
 Uranus -64223-08-12 11:45 J -21735804.08 -21735804.01 -21735803.91 0.0132 0.0127
 Saturn -64212-04-27 04:18 J -21731893.62 -21731893.32 -21731893.01 0.0259 0.0095
 Saturn -64198-06-06 21:35 J -21726739.86 -21726739.60 -21726739.35 0.0304 0.0059
 Uranus -64181-10-06 13:25 J -21720408.23 -21720407.94 -21720407.63 0.0146 0.0032
 Saturn -64154-07-31 09:21 J -21710614.40 -21710614.11 -21710613.80 0.0258 0.0109
 Jupiter -64148-12-13 13:25 J -21708287.04 -21708286.94 -21708286.83 0.0526 0.0480
 Neptune -64146-01-17 00:42 J -21707887.78 -21707887.47 -21707887.12 0.0089 0.0032
 Neptune -64145-12-13 19:40 J -21707191.00 -21707190.68 -21707190.33 0.0089 0.0029
 Uranus -64142-06-04 16:33 J -21706287.96 -21706287.81 -21706287.61 0.0133 0.0110
 Uranus -64140-05-06 02:09 J -21705586.70 -21705586.41 -21705586.10 0.0133 0.0038
 Saturn -64140-09-11 05:16 J -21705458.47 -21705458.28 -21705458.09 0.0305 0.0210
 Jupiter -64130-09-13 03:06 J -21701804.56 -21701804.37 -21701804.17 0.0500 0.0361
 Saturn -64124-09-19 13:54 J -21699606.21 -21699605.92 -21699605.61 0.0259 0.0105
 Jupiter -64112-09-17 19:11 J -21695224.94 -21695224.70 -21695224.45 0.0526 0.0144
 Saturn -64110-10-30 03:06 J -21694452.63 -21694452.37 -21694452.12 0.0303 0.0062

Uranus -64098-06-29 15:06 J -21690192.10 -21690191.87 -21690191.62 0.0146 0.0088
 Uranus -64096-06-02 08:37 J -21689488.33 -21689488.14 -21689487.91 0.0146 0.0107
 Jupiter -64094-06-19 15:21 J -21688741.10 -21688740.86 -21688740.61 0.0499 0.0264
 Saturn -64066-12-23 19:25 J -21678327.00 -21678326.69 -21678326.39 0.0258 0.0099
 Neptune -64065-11-24 06:13 J -21677990.47 -21677990.24 -21677989.99 0.0089 0.0048
 Neptune -64063-10-18 14:09 J -21677297.19 -21677296.91 -21677296.63 0.0089 0.0001
 Neptune -64061-09-10 20:52 J -21676603.87 -21676603.63 -21676603.39 0.0089 0.0047
 Uranus -64057-01-28 12:13 J -21675369.27 -21675368.99 -21675368.70 0.0133 0.0054
 Uranus -64056-12-29 17:01 J -21674668.01 -21674667.79 -21674667.57 0.0132 0.0092
 Saturn -64051-02-03 11:59 J -21673171.19 -21673171.00 -21673170.81 0.0304 0.0207
 Saturn -64035-02-12 05:45 J -21667318.55 -21667318.26 -21667317.96 0.0259 0.0119
 Saturn -64021-03-23 07:54 J -21662165.43 -21662165.17 -21662164.91 0.0304 0.0052
 Uranus -64013-02-23 04:04 J -21659272.63 -21659272.33 -21659272.03 0.0146 0.0017

64TH MILLENNIUM BCE

This is a list of transits of Mars in the 64th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-63993-03-09 11:30 J	-21651952.25	-21651952.02	-21651951.78	0.0526	0.0224		
Neptune	-63983-08-30 07:25 J	-21648126.44	-21648126.19	-21648125.89	0.0089	0.0055		
Neptune	-63981-07-27 03:06 J	-21647429.72	-21647429.37	-21647429.02	0.0089	0.0005		
Neptune	-63979-06-23 21:49 J	-21646732.80	-21646732.59	-21646732.32	0.0089	0.0065		
Saturn	-63977-05-17 17:16 J	-21646039.09	-21646038.78	-21646038.46	0.0258	0.0085		
Jupiter	-63976-12-07 21:21 J	-21645469.89	-21645469.61	-21645469.32	0.0499	0.0103		

Uranus -63973-09-22 04:04 J -21644450.64 -21644450.33 -21644450.02 0.0133 0.0002
 Saturn -63963-06-28 23:30 J -21640883.71 -21640883.52 -21640883.33 0.0304 0.0214
 Jupiter -63958-12-13 20:09 J -21638889.81 -21638889.66 -21638889.50 0.0526 0.0414
 Saturn -63947-07-08 03:49 J -21635030.62 -21635030.34 -21635030.05 0.0259 0.0135
 Saturn -63933-08-16 05:45 J -21629877.52 -21629877.26 -21629877.00 0.0303 0.0064
 Uranus -63931-11-15 00:57 J -21629056.52 -21629056.46 -21629056.35 0.0145 0.0140
 Uranus -63929-10-18 12:13 J -21628353.27 -21628352.99 -21628352.70 0.0146 0.0052
 Neptune -63901-07-10 05:16 J -21618226.44 -21618226.28 -21618226.06 0.0089 0.0067
 Neptune -63899-06-03 12:57 J -21617533.23 -21617532.96 -21617532.67 0.0089 0.0019
 Neptune -63897-04-26 20:09 J -21616839.91 -21616839.66 -21616839.38 0.0089 0.0029
 Neptune -63895-03-21 02:37 J -21616146.50 -21616146.39 -21616146.21 0.0089 0.0076
 Uranus -63890-06-16 08:23 J -21614233.37 -21614233.15 -21614232.92 0.0133 0.0094
 Saturn -63889-10-11 01:11 J -21613750.76 -21613750.45 -21613750.12 0.0259 0.0065
 Uranus -63888-05-17 17:45 J -21613532.02 -21613531.76 -21613531.46 0.0132 0.0057
 Saturn -63875-11-22 11:01 J -21608595.24 -21608595.04 -21608594.83 0.0304 0.0193
 Saturn -63859-12-01 23:16 J -21602741.79 -21602741.53 -21602741.27 0.0259 0.0158
 Jupiter -63857-05-27 21:06 J -21602198.68 -21602198.62 -21602198.54 0.0499 0.0483
 Uranus -63846-07-11 01:40 J -21598137.67 -21598137.43 -21598137.16 0.0146 0.0075
 Saturn -63844-01-09 19:25 J -21597588.94 -21597588.69 -21597588.43 0.0303 0.0078
 Uranus -63844-06-13 16:04 J -21597433.99 -21597433.83 -21597433.65 0.0146 0.0121
 Jupiter -63839-06-03 19:54 J -21595617.94 -21595617.67 -21595617.41 0.0526 0.0011
 Saturn -63830-01-15 10:04 J -21592470.09 -21592470.08 -21592470.04 0.0258 0.0258
 Jupiter -63821-03-03 01:40 J -21589135.71 -21589135.43 -21589135.15 0.0499 0.0120
 Neptune -63819-04-12 16:18 J -21588364.95 -21588364.82 -21588364.61 0.0089 0.0078
 Neptune -63817-03-09 10:18 J -21587668.40 -21587668.07 -21587667.71 0.0089 0.0019
 Neptune -63815-02-04 05:45 J -21586971.56 -21586971.26 -21586970.94 0.0089 0.0041
 Uranus -63805-02-08 21:21 J -21583314.90 -21583314.61 -21583314.30 0.0133 0.0038
 Uranus -63803-01-10 04:33 J -21582613.46 -21582613.31 -21582613.12 0.0132 0.0110
 Saturn -63800-03-07 07:54 J -21581461.50 -21581461.17 -21581460.85 0.0259 0.0038
 Pluto -63799-10-22 07:25 J -21580867.50 -21580867.19 -21580866.86 0.0065 0.0022

Saturn -63786-04-18 15:49 J -21576306.05 -21576305.84 -21576305.61 0.0304 0.0168
 Saturn -63770-04-28 07:11 J -21570452.42 -21570452.20 -21570451.98 0.0260 0.0191
 Uranus -63761-03-05 04:47 J -21567218.60 -21567218.30 -21567217.99 0.0146 0.0007
 Saturn -63756-06-06 09:49 J -21565299.32 -21565299.09 -21565298.84 0.0303 0.0119
 Saturn -63742-06-12 01:25 J -21560180.60 -21560180.44 -21560180.29 0.0259 0.0228
 Neptune -63737-02-24 02:52 J -21558462.45 -21558462.38 -21558462.27 0.0089 0.0084
 Neptune -63735-01-17 11:59 J -21557769.24 -21557769.00 -21557768.73 0.0089 0.0037
 Neptune -63734-12-11 19:25 J -21557075.97 -21557075.69 -21557075.41 0.0089 0.0010
 Neptune -63732-11-04 01:11 J -21556382.64 -21556382.45 -21556382.21 0.0089 0.0057
 Uranus -63721-10-03 10:04 J -21552396.39 -21552396.08 -21552395.77 0.0133 0.0017
 Jupiter -63721-11-22 00:13 J -21552346.62 -21552346.49 -21552346.36 0.0526 0.0453
 Saturn -63712-08-01 22:47 J -21549171.88 -21549171.55 -21549171.22 0.0259 0.0003
 Pluto -63711-05-18 18:13 J -21548882.00 -21548881.74 -21548881.45 0.0079 0.0027
 Jupiter -63703-08-21 04:18 J -21545865.53 -21545865.32 -21545865.09 0.0500 0.0315
 Saturn -63698-09-13 16:18 J -21544016.06 -21544015.82 -21544015.57 0.0304 0.0120
 Jupiter -63685-08-26 19:25 J -21539284.94 -21539284.69 -21539284.44 0.0527 0.0144
 Saturn -63682-09-23 05:16 J -21538162.42 -21538162.28 -21538162.10 0.0260 0.0228
 Uranus -63679-11-26 08:09 J -21537002.27 -21537002.16 -21537001.99 0.0145 0.0128
 Uranus -63677-10-29 14:37 J -21536299.16 -21536298.89 -21536298.62 0.0146 0.0066
 Saturn -63668-11-01 10:47 J -21533009.27 -21533009.05 -21533008.82 0.0303 0.0162
 Jupiter -63667-05-27 01:54 J -21532802.66 -21532802.42 -21532802.17 0.0499 0.0274
 Neptune -63654-10-21 19:40 J -21527906.98 -21527906.68 -21527906.36 0.0089 0.0041
 Saturn -63654-11-06 18:57 J -21527890.92 -21527890.71 -21527890.47 0.0259 0.0187
 Neptune -63652-09-17 13:25 J -21527210.28 -21527209.94 -21527209.59 0.0089 0.0018
 Neptune -63650-08-15 08:23 J -21526513.29 -21526513.15 -21526512.94 0.0089 0.0077
 Uranus -63638-06-27 07:54 J -21522179.40 -21522179.17 -21522178.90 0.0133 0.0082
 Uranus -63636-05-28 22:33 J -21521477.81 -21521477.56 -21521477.29 0.0133 0.0072
 Saturn -63624-12-27 21:49 J -21516881.92 -21516881.59 -21516881.26 0.0260 0.0037
 Saturn -63609-02-08 21:35 J -21511725.85 -21511725.60 -21511725.34 0.0303 0.0070
 Uranus -63594-07-22 18:13 J -21506083.00 -21506082.74 -21506082.45 0.0145 0.0056

Uranus -63592-06-25 05:45 J -21505379.30 -21505379.26 -21505379.16 0.0146 0.0142
 Saturn -63579-03-29 15:21 J -21500719.04 -21500718.86 -21500718.67 0.0303 0.0212
 Neptune -63572-09-02 09:21 J -21498005.31 -21498005.11 -21498004.86 0.0089 0.0055
 Neptune -63570-07-27 18:42 J -21497312.00 -21497311.72 -21497311.44 0.0089 0.0008
 Neptune -63568-06-20 01:54 J -21496618.66 -21496618.42 -21496618.15 0.0089 0.0039
 Jupiter -63566-02-14 17:01 J -21496013.98 -21496013.79 -21496013.58 0.0526 0.0336
 Neptune -63566-05-14 07:40 J -21495925.23 -21495925.18 -21495925.06 0.0089 0.0085
 Saturn -63565-04-02 15:06 J -21495601.13 -21495600.87 -21495600.59 0.0259 0.0150
 Uranus -63553-02-20 03:06 J -21491260.67 -21491260.37 -21491260.05 0.0133 0.0024
 Uranus -63551-01-21 13:11 J -21490559.03 -21490558.95 -21490558.86 0.0133 0.0127
 Jupiter -63549-11-13 00:42 J -21489532.73 -21489532.47 -21489532.19 0.0499 0.0177
 Saturn -63535-05-24 11:30 J -21484592.33 -21484592.02 -21484591.70 0.0259 0.0079
 Jupiter -63531-11-20 03:49 J -21482951.55 -21482951.34 -21482951.12 0.0526 0.0299
 Saturn -63521-07-05 19:11 J -21479435.96 -21479435.70 -21479435.43 0.0304 0.0026
 Jupiter -63513-08-19 07:40 J -21476469.30 -21476469.18 -21476469.03 0.0499 0.0437
 Uranus -63509-03-17 06:28 J -21475163.52 -21475163.23 -21475162.93 0.0146 0.0017
 Saturn -63491-08-24 08:23 J -21468429.28 -21468429.15 -21468429.01 0.0303 0.0257
 Neptune -63490-06-04 05:01 J -21468145.51 -21468145.29 -21468145.02 0.0089 0.0063
 Neptune -63488-04-30 21:49 J -21467448.93 -21467448.59 -21467448.23 0.0089 0.0006
 Neptune -63486-03-28 15:49 J -21466752.10 -21466751.84 -21466751.54 0.0089 0.0053
 Saturn -63477-08-27 22:33 J -21463311.86 -21463311.56 -21463311.26 0.0258 0.0110
 Uranus -63471-11-13 00:42 J -21461043.56 -21461043.47 -21461043.32 0.0133 0.0124
 Uranus -63469-10-14 20:23 J -21460341.94 -21460341.65 -21460341.34 0.0133 0.0034
 Saturn -63463-10-12 10:33 J -21458153.17 -21458153.06 -21458152.93 0.0304 0.0271
 Saturn -63447-10-18 15:21 J -21452303.15 -21452302.86 -21452302.55 0.0259 0.0111
 Saturn -63433-11-30 00:28 J -21447146.74 -21447146.48 -21447146.21 0.0304 0.0015
 Uranus -63427-12-08 11:45 J -21444947.19 -21444947.01 -21444946.79 0.0145 0.0107
 Uranus -63425-11-10 17:16 J -21444244.00 -21444243.78 -21444243.53 0.0146 0.0090
 Jupiter -63412-05-10 18:28 J -21439679.98 -21439679.73 -21439679.47 0.0526 0.0132
 Neptune -63408-04-18 08:09 J -21438241.30 -21438241.16 -21438240.97 0.0089 0.0072

Neptune -63406-03-12 16:18 J -21437548.08 -21437547.82 -21437547.53 0.0089 0.0026
 Neptune -63404-02-03 00:42 J -21436854.74 -21436854.47 -21436854.19 0.0089 0.0020
 Neptune -63403-12-28 08:23 J -21436161.32 -21436161.15 -21436160.94 0.0089 0.0066
 Saturn -63402-01-18 05:30 J -21436140.36 -21436140.27 -21436140.18 0.0303 0.0282
 Jupiter -63394-02-06 19:54 J -21433198.95 -21433198.67 -21433198.38 0.0500 0.0017
 Saturn -63388-01-21 16:47 J -21431023.12 -21431022.80 -21431022.49 0.0258 0.0082
 Uranus -63386-07-08 22:33 J -21430124.82 -21430124.56 -21430124.26 0.0133 0.0064
 Uranus -63384-06-09 12:42 J -21429423.18 -21429422.97 -21429422.72 0.0133 0.0091
 Jupiter -63376-02-13 00:42 J -21426617.57 -21426617.47 -21426617.36 0.0527 0.0482
 Saturn -63374-03-08 01:40 J -21425864.58 -21425864.43 -21425864.26 0.0304 0.0241
 Saturn -63358-03-14 03:21 J -21420014.63 -21420014.36 -21420014.08 0.0258 0.0142
 Saturn -63344-04-25 06:57 J -21414858.47 -21414858.21 -21414857.94 0.0304 0.0028
 Uranus -63342-08-03 13:40 J -21414028.21 -21414027.93 -21414027.63 0.0146 0.0040
 Neptune -63326-01-15 15:35 J -21408383.92 -21408383.85 -21408383.71 0.0089 0.0085
 Neptune -63325-12-12 07:11 J -21407687.52 -21407687.20 -21407686.85 0.0089 0.0028
 Neptune -63323-11-09 00:28 J -21406990.80 -21406990.48 -21406990.14 0.0089 0.0030
 Neptune -63321-10-05 18:57 J -21406293.76 -21406293.71 -21406293.63 0.0089 0.0087
 Uranus -63301-03-02 16:33 J -21399206.13 -21399205.81 -21399205.50 0.0133 0.0005
 Saturn -63300-06-16 21:49 J -21398734.91 -21398734.59 -21398734.26 0.0258 0.0057
 Saturn -63286-07-31 17:01 J -21393576.94 -21393576.79 -21393576.62 0.0305 0.0241
 Jupiter -63276-07-28 02:52 J -21389927.57 -21389927.38 -21389927.18 0.0500 0.0360
 Saturn -63270-08-07 01:25 J -21387726.68 -21387726.44 -21387726.16 0.0258 0.0160
 Jupiter -63258-08-05 09:06 J -21383345.37 -21383345.12 -21383344.86 0.0526 0.0103
 Uranus -63257-03-28 12:28 J -21383109.26 -21383108.98 -21383108.67 0.0146 0.0029
 Saturn -63256-09-17 23:16 J -21382570.79 -21382570.53 -21382570.27 0.0304 0.0040
 Neptune -63243-10-26 14:52 J -21377784.12 -21377783.88 -21377783.62 0.0089 0.0043
 Saturn -63242-09-20 17:45 J -21377454.79 -21377454.76 -21377454.69 0.0258 0.0255
 Neptune -63241-09-18 22:47 J -21377090.83 -21377090.55 -21377090.26 0.0089 0.0003
 Jupiter -63240-05-03 03:35 J -21376864.60 -21376864.35 -21376864.10 0.0499 0.0238
 Neptune -63239-08-13 05:45 J -21376397.47 -21376397.26 -21376397.00 0.0089 0.0048

Saturn -63226-11-05 17:16 J -21371564.80 -21371564.78 -21371564.73 0.0304 0.0300
 Uranus -63219-11-24 10:47 J -21368989.23 -21368989.05 -21368988.85 0.0133 0.0106
 Uranus -63217-10-26 07:40 J -21368287.46 -21368287.18 -21368286.88 0.0133 0.0052
 Saturn -63212-11-09 14:52 J -21366447.20 -21366446.88 -21366446.55 0.0258 0.0043
 Saturn -63198-12-24 02:52 J -21361289.53 -21361289.38 -21361289.20 0.0304 0.0235
 Saturn -63182-12-30 20:09 J -21355438.88 -21355438.66 -21355438.40 0.0258 0.0176
 Uranus -63175-12-19 15:06 J -21352893.07 -21352892.87 -21352892.63 0.0145 0.0097
 Uranus -63173-11-21 15:35 J -21352190.05 -21352189.85 -21352189.61 0.0146 0.0100
 Saturn -63167-02-10 02:09 J -21350283.67 -21350283.41 -21350283.15 0.0305 0.0030
 Neptune -63161-07-25 16:18 J -21347926.09 -21347925.82 -21347925.51 0.0089 0.0050
 Neptune -63159-06-22 07:54 J -21347229.52 -21347229.17 -21347228.82 0.0089 0.0007
 Neptune -63157-05-19 00:42 J -21346532.68 -21346532.47 -21346532.20 0.0089 0.0064
 Saturn -63153-02-13 08:09 J -21345167.25 -21345167.16 -21345167.04 0.0258 0.0243
 Jupiter -63139-01-24 19:40 J -21340072.91 -21340072.68 -21340072.45 0.0526 0.0269
 Uranus -63134-07-20 03:06 J -21338070.65 -21338070.37 -21338070.06 0.0133 0.0048
 Uranus -63132-06-20 21:06 J -21337368.77 -21337368.62 -21337368.41 0.0133 0.0109
 Saturn -63123-04-04 09:49 J -21334159.41 -21334159.09 -21334158.76 0.0258 0.0030
 Jupiter -63122-10-22 22:18 J -21333592.84 -21333592.57 -21333592.29 0.0499 0.0107
 Saturn -63109-05-17 05:30 J -21329002.42 -21329002.27 -21329002.11 0.0305 0.0249
 Jupiter -63104-10-30 16:33 J -21327009.99 -21327009.81 -21327009.64 0.0526 0.0390
 Saturn -63093-05-24 10:18 J -21323151.28 -21323151.07 -21323150.83 0.0258 0.0188
 Uranus -63090-08-14 21:49 J -21321973.87 -21321973.59 -21321973.29 0.0146 0.0026
 Neptune -63079-06-11 10:04 J -21318020.27 -21318020.08 -21318019.85 0.0089 0.0061
 Saturn -63079-07-05 13:11 J -21317996.21 -21317995.95 -21317995.69 0.0304 0.0034
 Neptune -63077-05-04 21:21 J -21317326.89 -21317326.61 -21317326.33 0.0089 0.0015
 Neptune -63075-03-29 05:01 J -21316633.55 -21316633.29 -21316633.01 0.0089 0.0030
 Neptune -63073-02-20 11:30 J -21315940.14 -21315940.02 -21315939.84 0.0089 0.0075
 Saturn -63065-07-08 05:30 J -21312879.39 -21312879.27 -21312879.12 0.0258 0.0234
 Pluto -63061-02-05 05:01 J -21311572.63 -21311572.29 -21311571.95 0.0065 0.0003
 Uranus -63049-03-13 23:16 J -21307151.84 -21307151.53 -21307151.21 0.0133 0.0011

Saturn -63049-08-22 09:49 J -21306990.14 -21306990.09 -21306990.02 0.0304 0.0296

Saturn -63035-08-28 03:35 J -21301871.68 -21301871.35 -21301871.02 0.0258 0.0017

Saturn -63021-10-10 00:42 J -21296714.63 -21296714.47 -21296714.31 0.0304 0.0239

Uranus -63005-04-09 10:04 J -21291054.36 -21291054.08 -21291053.79 0.0146 0.0049

Saturn -63005-10-17 14:23 J -21290863.10 -21290862.90 -21290862.70 0.0259 0.0202

Jupiter -63003-04-12 17:16 J -21290320.89 -21290320.78 -21290320.65 0.0499 0.0451

63RD MILLENNIUM BCE

This is a list of transits of Mars in the 63rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-62997-03-08 02:23 J	-21288164.59	-21288164.40	-21288164.17	0.0089	0.0071		
Neptune	-62995-02-02 16:18 J	-21287468.15	-21287467.82	-21287467.46	0.0089	0.0016		
Neptune	-62994-12-31 07:11 J	-21286771.49	-21286771.20	-21286770.86	0.0089	0.0041		
Saturn	-62991-11-28 06:57 J	-21285708.47	-21285708.21	-21285707.95	0.0304	0.0032		
Jupiter	-62985-04-20 17:45 J	-21283738.02	-21283737.76	-21283737.49	0.0526	0.0004		
Saturn	-62977-12-01 05:30 J	-21280591.44	-21280591.27	-21280591.09	0.0258	0.0218		
Pluto	-62974-09-03 07:25 J	-21279585.41	-21279585.19	-21279584.92	0.0079	0.0044		
Jupiter	-62967-01-16 15:06 J	-21277258.14	-21277257.87	-21277257.60	0.0499	0.0137		
Uranus	-62967-12-05 19:54 J	-21276934.89	-21276934.67	-21276934.42	0.0133	0.0091		
Uranus	-62965-11-06 20:23 J	-21276232.91	-21276232.65	-21276232.38	0.0133	0.0070		
Saturn	-62946-01-21 15:35 J	-21269583.18	-21269582.85	-21269582.52	0.0259	0.0002		
Saturn	-62932-03-05 08:37 J	-21264426.31	-21264426.14	-21264425.96	0.0304	0.0230		
Uranus	-62923-12-31 23:30 J	-21260837.76	-21260837.52	-21260837.26	0.0145	0.0075		

Uranus -62921-12-03 23:59 J -21260134.63 -21260134.50 -21260134.33 0.0146 0.0126
 Saturn -62916-03-13 01:40 J -21258574.58 -21258574.43 -21258574.25 0.0259 0.0225
 Neptune -62915-01-25 05:16 J -21258256.40 -21258256.28 -21258256.13 0.0089 0.0078
 Neptune -62914-12-19 15:06 J -21257563.13 -21257562.87 -21257562.60 0.0089 0.0033
 Neptune -62912-11-12 01:11 J -21256869.72 -21256869.45 -21256869.16 0.0089 0.0012
 Neptune -62910-10-06 09:21 J -21256176.32 -21256176.11 -21256175.88 0.0089 0.0056
 Saturn -62902-04-24 02:52 J -21253419.63 -21253419.38 -21253419.12 0.0304 0.0059
 Saturn -62888-04-27 02:37 J -21248302.58 -21248302.39 -21248302.16 0.0259 0.0198
 Uranus -62882-07-31 22:33 J -21246015.87 -21246015.56 -21246015.24 0.0133 0.0028
 Uranus -62880-07-02 17:30 J -21245313.82 -21245313.77 -21245313.70 0.0132 0.0130
 Jupiter -62867-10-09 22:33 J -21240466.69 -21240466.56 -21240466.41 0.0526 0.0446
 Saturn -62858-06-17 12:57 J -21237294.28 -21237293.96 -21237293.63 0.0259 0.0028
 Jupiter -62849-07-06 14:52 J -21233987.11 -21233986.88 -21233986.63 0.0500 0.0257
 Saturn -62844-07-30 18:28 J -21232136.92 -21232136.73 -21232136.52 0.0303 0.0193
 Uranus -62838-08-27 08:09 J -21229918.46 -21229918.16 -21229917.87 0.0146 0.0002
 Neptune -62832-09-15 23:01 J -21227706.84 -21227706.54 -21227706.21 0.0089 0.0038
 Jupiter -62831-07-15 05:01 J -21227404.53 -21227404.29 -21227404.03 0.0527 0.0172
 Neptune -62830-08-13 13:54 J -21227010.26 -21227009.92 -21227009.58 0.0089 0.0017
 Neptune -62828-07-10 04:33 J -21226313.47 -21226313.31 -21226313.07 0.0089 0.0073
 Saturn -62828-08-07 11:59 J -21226285.05 -21226285.00 -21226284.93 0.0259 0.0255
 Saturn -62814-09-18 14:23 J -21221130.15 -21221129.90 -21221129.65 0.0303 0.0092
 Jupiter -62813-04-11 04:47 J -21220924.51 -21220924.30 -21220924.07 0.0499 0.0316
 Saturn -62800-09-21 09:35 J -21216013.34 -21216013.10 -21216012.83 0.0259 0.0162
 Uranus -62799-04-23 17:45 J -21215798.80 -21215798.76 -21215798.67 0.0133 0.0131
 Uranus -62797-03-25 23:01 J -21215096.84 -21215096.54 -21215096.22 0.0133 0.0034
 Saturn -62770-11-12 06:57 J -21205004.53 -21205004.21 -21205003.89 0.0259 0.0063
 Saturn -62756-12-25 19:11 J -21199846.92 -21199846.70 -21199846.46 0.0303 0.0146
 Uranus -62755-05-19 17:30 J -21199701.89 -21199701.77 -21199701.62 0.0145 0.0128
 Uranus -62753-04-21 10:47 J -21198999.30 -21198999.05 -21198998.78 0.0146 0.0070
 Neptune -62750-08-04 09:35 J -21197799.32 -21197799.10 -21197798.85 0.0089 0.0051

Neptune -62748-06-27 19:25 J -21197105.98 -21197105.69 -21197105.41 0.0089 0.0006
 Neptune -62746-05-22 05:01 J -21196412.53 -21196412.29 -21196412.02 0.0089 0.0038
 Neptune -62744-04-14 13:11 J -21195719.03 -21195718.95 -21195718.81 0.0089 0.0082
 Saturn -62725-02-13 18:57 J -21188839.93 -21188839.71 -21188839.47 0.0303 0.0144
 Uranus -62715-12-17 21:21 J -21184879.87 -21184879.61 -21184879.31 0.0133 0.0067
 Uranus -62713-11-18 22:18 J -21184177.76 -21184177.57 -21184177.33 0.0133 0.0096
 Jupiter -62712-01-01 16:47 J -21184134.01 -21184133.80 -21184133.58 0.0526 0.0320
 Saturn -62711-02-16 08:52 J -21183723.41 -21183723.13 -21183722.83 0.0259 0.0123
 Jupiter -62695-09-29 15:49 J -21177654.11 -21177653.84 -21177653.56 0.0499 0.0114
 Saturn -62681-04-08 01:54 J -21172714.71 -21172714.42 -21172714.11 0.0259 0.0109
 Jupiter -62677-10-07 11:45 J -21171071.21 -21171071.01 -21171070.80 0.0526 0.0325
 Uranus -62670-01-12 16:47 J -21168783.05 -21168782.80 -21168782.52 0.0145 0.0060
 Uranus -62669-12-15 14:09 J -21168079.96 -21168079.91 -21168079.85 0.0146 0.0144
 Neptune -62668-04-29 04:47 J -21167945.53 -21167945.30 -21167945.02 0.0089 0.0060
 Saturn -62667-05-23 02:09 J -21167556.66 -21167556.41 -21167556.16 0.0304 0.0094
 Neptune -62666-03-26 17:59 J -21167249.10 -21167248.75 -21167248.40 0.0089 0.0006
 Neptune -62664-02-20 08:37 J -21166552.41 -21166552.14 -21166551.83 0.0089 0.0049
 Jupiter -62659-07-05 10:04 J -21164591.17 -21164591.08 -21164590.98 0.0499 0.0471
 Saturn -62637-07-10 23:45 J -21156549.70 -21156549.51 -21156549.31 0.0303 0.0198
 Uranus -62630-08-12 21:06 J -21153960.94 -21153960.62 -21153960.30 0.0133 0.0004
 Saturn -62623-07-14 03:21 J -21151433.66 -21151433.36 -21151433.04 0.0259 0.0077
 Saturn -62593-09-02 22:18 J -21140424.82 -21140424.57 -21140424.29 0.0259 0.0150
 Neptune -62586-03-19 23:59 J -21138035.65 -21138035.50 -21138035.28 0.0089 0.0069
 Uranus -62586-09-07 20:37 J -21137863.93 -21137863.64 -21137863.34 0.0146 0.0014
 Neptune -62584-02-10 11:59 J -21137342.25 -21137342.00 -21137341.70 0.0089 0.0025
 Neptune -62582-01-04 21:35 J -21136648.87 -21136648.60 -21136648.32 0.0089 0.0020
 Neptune -62581-11-28 06:28 J -21135955.42 -21135955.23 -21135955.03 0.0089 0.0063
 Saturn -62579-10-17 23:59 J -21135266.76 -21135266.50 -21135266.23 0.0303 0.0041
 Jupiter -62558-03-28 06:57 J -21127800.47 -21127800.21 -21127799.95 0.0526 0.0143
 Saturn -62549-12-05 14:52 J -21124260.03 -21124259.88 -21124259.71 0.0304 0.0238

Uranus -62547-05-05 11:59 J -21123744.17 -21123744.00 -21123743.79 0.0134 0.0109
 Uranus -62545-04-06 20:52 J -21123041.91 -21123041.63 -21123041.34 0.0133 0.0058
 Jupiter -62541-12-23 00:28 J -21121320.76 -21121320.48 -21121320.20 0.0500 0.0047
 Saturn -62535-12-08 15:21 J -21119144.18 -21119143.86 -21119143.53 0.0259 0.0039
 Jupiter -62523-12-31 17:59 J -21114737.85 -21114737.75 -21114737.62 0.0527 0.0476
 Saturn -62520-01-23 08:23 J -21113984.21 -21113984.15 -21113984.07 0.0303 0.0291
 Neptune -62505-12-10 11:01 J -21108184.16 -21108184.04 -21108183.89 0.0089 0.0081
 Saturn -62504-01-28 01:40 J -21108135.63 -21108135.43 -21108135.18 0.0258 0.0189
 Uranus -62503-05-31 17:59 J -21107646.92 -21107646.75 -21107646.53 0.0145 0.0109
 Neptune -62503-11-06 21:35 J -21107487.91 -21107487.60 -21107487.25 0.0089 0.0029
 Uranus -62501-05-03 08:52 J -21106944.34 -21106944.13 -21106943.88 0.0146 0.0092
 Neptune -62501-10-03 10:33 J -21106791.38 -21106791.06 -21106790.72 0.0089 0.0026
 Neptune -62499-08-31 01:25 J -21106094.56 -21106094.44 -21106094.25 0.0089 0.0080
 Saturn -62490-03-14 00:28 J -21102977.75 -21102977.48 -21102977.22 0.0304 0.0013
 Saturn -62476-03-14 06:42 J -21097863.36 -21097863.22 -21097863.06 0.0259 0.0228
 Uranus -62463-12-29 18:13 J -21092825.02 -21092824.74 -21092824.42 0.0133 0.0045
 Uranus -62461-11-30 21:35 J -21092122.71 -21092122.60 -21092122.45 0.0133 0.0121
 Saturn -62460-05-01 13:11 J -21091971.05 -21091970.95 -21091970.83 0.0303 0.0274
 Saturn -62446-05-04 09:21 J -21086855.43 -21086855.11 -21086854.78 0.0258 0.0008
 Saturn -62432-06-18 16:18 J -21081695.91 -21081695.82 -21081695.70 0.0304 0.0278
 Neptune -62423-11-02 12:57 J -21078272.00 -21078271.96 -21078271.85 0.0089 0.0086
 Jupiter -62422-06-13 07:40 J -21078049.38 -21078049.18 -21078048.97 0.0500 0.0336
 Neptune -62421-09-26 01:25 J -21077578.68 -21077578.44 -21077578.18 0.0089 0.0042
 Neptune -62419-08-20 13:11 J -21076885.23 -21076884.95 -21076884.66 0.0089 0.0002
 Uranus -62418-01-25 04:04 J -21076727.61 -21076727.33 -21076727.04 0.0145 0.0034
 Neptune -62417-07-13 22:18 J -21076191.80 -21076191.57 -21076191.31 0.0089 0.0045
 Saturn -62416-06-23 13:40 J -21075847.11 -21075846.93 -21075846.74 0.0258 0.0213
 Neptune -62415-06-07 06:28 J -21075498.24 -21075498.23 -21075498.15 0.0089 0.0088
 Jupiter -62404-06-21 07:54 J -21071466.44 -21071466.17 -21071465.91 0.0526 0.0060
 Saturn -62402-08-07 07:40 J -21070689.44 -21070689.18 -21070688.92 0.0304 0.0012

Saturn -62388-08-07 16:33 J -21065575.01 -21065574.81 -21065574.61 0.0258 0.0204
 Jupiter -62386-03-18 19:40 J -21064986.93 -21064986.68 -21064986.43 0.0499 0.0235
 Uranus -62378-08-25 01:25 J -21061905.74 -21061905.44 -21061905.11 0.0133 0.0022
 Saturn -62372-09-24 09:21 J -21059683.21 -21059683.11 -21059683.01 0.0304 0.0279
 Saturn -62358-09-27 10:47 J -21054567.37 -21054567.05 -21054566.72 0.0258 0.0013
 Saturn -62344-11-11 12:28 J -21049408.10 -21049407.98 -21049407.84 0.0303 0.0263
 Neptune -62339-06-19 23:45 J -21047726.76 -21047726.51 -21047726.19 0.0089 0.0051
 Neptune -62337-05-16 11:45 J -21047030.36 -21047030.01 -21047029.66 0.0089 0.0002
 Neptune -62335-04-12 23:59 J -21046333.74 -21046333.50 -21046333.20 0.0089 0.0056
 Uranus -62334-09-20 18:57 J -21045807.99 -21045807.71 -21045807.43 0.0146 0.0044
 Saturn -62328-11-16 12:28 J -21043559.11 -21043558.98 -21043558.83 0.0258 0.0232
 Pluto -62324-05-20 08:37 J -21042278.40 -21042278.14 -21042277.81 0.0065 0.0031
 Saturn -62314-12-30 15:49 J -21038402.10 -21038401.84 -21038401.57 0.0304 0.0006
 Saturn -62300-12-31 10:04 J -21033287.29 -21033287.08 -21033286.85 0.0258 0.0189
 Uranus -62295-05-17 23:45 J -21031688.75 -21031688.51 -21031688.24 0.0133 0.0081
 Uranus -62293-04-19 07:54 J -21030986.41 -21030986.17 -21030985.93 0.0133 0.0087
 Jupiter -62286-12-11 05:16 J -21028194.48 -21028194.28 -21028194.07 0.0526 0.0331
 Saturn -62283-02-16 21:49 J -21027395.66 -21027395.59 -21027395.50 0.0304 0.0288
 Saturn -62269-02-20 06:13 J -21022279.56 -21022279.24 -21022278.91 0.0258 0.0026
 Jupiter -62268-09-06 21:06 J -21021714.89 -21021714.62 -21021714.35 0.0499 0.0102
 Neptune -62257-05-11 13:11 J -21017815.14 -21017814.95 -21017814.72 0.0089 0.0060
 Neptune -62255-04-05 00:57 J -21017121.73 -21017121.46 -21017121.17 0.0089 0.0017
 Saturn -62255-04-05 13:40 J -21017121.02 -21017120.93 -21017120.81 0.0304 0.0277
 Neptune -62253-02-27 12:28 J -21016428.25 -21016427.98 -21016427.71 0.0089 0.0026
 Neptune -62251-01-20 21:49 J -21015734.74 -21015734.59 -21015734.39 0.0089 0.0069
 Uranus -62251-06-13 13:11 J -21015591.18 -21015590.95 -21015590.70 0.0145 0.0083
 Jupiter -62250-09-16 14:23 J -21015131.10 -21015130.90 -21015130.70 0.0526 0.0348
 Uranus -62249-05-16 02:37 J -21014888.53 -21014888.39 -21014888.20 0.0146 0.0121
 Saturn -62239-04-11 00:28 J -21011271.56 -21011271.48 -21011271.36 0.0258 0.0244
 Pluto -62237-12-17 17:16 J -21010290.04 -21010289.78 -21010289.50 0.0080 0.0032

Jupiter -62232-06-12 19:40 J -21008651.72 -21008651.68 -21008651.63 0.0499 0.0492
 Saturn -62225-05-24 00:57 J -21006114.73 -21006114.46 -21006114.20 0.0304 0.0010
 Saturn -62211-05-26 04:33 J -21000999.53 -21000999.31 -21000999.07 0.0259 0.0180
 Uranus -62210-01-11 11:01 J -21000769.36 -21000769.04 -21000768.72 0.0133 0.0012
 Saturn -62195-07-11 22:47 J -20995108.65 -20995108.55 -20995108.43 0.0304 0.0276
 Saturn -62181-07-14 17:59 J -20989992.06 -20989991.75 -20989991.42 0.0258 0.0038
 Neptune -62175-01-31 03:21 J -20987965.54 -20987965.36 -20987965.14 0.0089 0.0072
 Neptune -62174-12-28 12:13 J -20987269.30 -20987268.99 -20987268.63 0.0089 0.0021
 Neptune -62172-11-23 23:45 J -20986572.81 -20986572.51 -20986572.16 0.0089 0.0033
 Neptune -62170-10-21 12:42 J -20985876.04 -20985875.97 -20985875.84 0.0089 0.0085
 Saturn -62167-08-28 23:59 J -20984833.61 -20984833.50 -20984833.38 0.0303 0.0273
 Uranus -62166-02-06 16:33 J -20984672.10 -20984671.81 -20984671.51 0.0146 0.0010
 Saturn -62151-09-03 20:37 J -20978983.66 -20978983.64 -20978983.58 0.0258 0.0256
 Jupiter -62149-02-27 05:30 J -20978442.41 -20978442.27 -20978442.11 0.0500 0.0421
 Saturn -62137-10-16 04:47 J -20973827.57 -20973827.30 -20973827.04 0.0304 0.0003
 Jupiter -62131-03-07 12:57 J -20971859.23 -20971858.96 -20971858.69 0.0526 0.0038
 Uranus -62128-10-04 02:52 J -20970552.52 -20970552.38 -20970552.20 0.0134 0.0117
 Uranus -62126-09-06 16:33 J -20969850.08 -20969849.81 -20969849.50 0.0133 0.0055
 Saturn -62123-10-18 18:57 J -20968711.94 -20968711.71 -20968711.45 0.0259 0.0169
 Jupiter -62114-12-02 20:09 J -20965379.93 -20965379.66 -20965379.40 0.0499 0.0152
 Saturn -62107-12-04 14:52 J -20962820.95 -20962820.88 -20962820.77 0.0304 0.0284
 Neptune -62094-12-25 21:21 J -20958051.72 -20958051.61 -20958051.45 0.0089 0.0078
 Saturn -62093-12-07 19:54 J -20957703.99 -20957703.67 -20957703.35 0.0259 0.0049
 Neptune -62092-11-18 11:01 J -20957358.29 -20957358.04 -20957357.76 0.0089 0.0035
 Neptune -62090-10-12 22:18 J -20956664.85 -20956664.57 -20956664.28 0.0089 0.0008
 Neptune -62088-09-05 08:52 J -20955971.35 -20955971.13 -20955970.88 0.0089 0.0050
 Uranus -62084-10-30 10:47 J -20954455.12 -20954455.05 -20954454.92 0.0145 0.0136
 Uranus -62082-10-02 17:16 J -20953753.03 -20953752.78 -20953752.50 0.0146 0.0065
 Saturn -62078-01-21 13:54 J -20952546.03 -20952545.92 -20952545.81 0.0303 0.0276
 Pluto -62078-10-11 14:37 J -20952283.08 -20952282.89 -20952282.61 0.0065 0.0048

Saturn	-62048-03-11 07:11 J	-20941539.46	-20941539.20	-20941538.93	0.0303	0.0013
Uranus	-62043-05-30 10:47 J	-20939633.35	-20939633.05	-20939632.74	0.0134	0.0049
Uranus	-62041-05-01 20:52 J	-20938930.74	-20938930.63	-20938930.48	0.0133	0.0120
Saturn	-62034-03-14 04:04 J	-20936423.58	-20936423.33	-20936423.06	0.0259	0.0155
Saturn	-62018-04-29 16:04 J	-20930532.91	-20930532.83	-20930532.75	0.0304	0.0288
Jupiter	-62013-08-25 17:45 J	-20928587.88	-20928587.76	-20928587.63	0.0526	0.0467
Neptune	-62010-08-10 12:42 J	-20927508.24	-20927507.97	-20927507.64	0.0089	0.0043
Neptune	-62008-07-06 22:33 J	-20926811.91	-20926811.56	-20926811.22	0.0089	0.0009
Neptune	-62006-06-03 09:49 J	-20926115.32	-20926115.09	-20926114.82	0.0089	0.0061
Saturn	-62004-05-03 01:25 J	-20925415.75	-20925415.44	-20925415.12	0.0259	0.0070

62ND MILLENNIUM BCE

This is a list of transits of Mars in the 62nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-61999-06-25 16:47 J	-20923536.04	-20923535.80	-20923535.51	0.0145	0.0062		
Uranus	-61997-05-28 04:47 J	-20922833.33	-20922833.30	-20922833.24	0.0146	0.0144		
Jupiter	-61995-05-23 15:49 J	-20922108.09	-20922107.84	-20922107.59	0.0500	0.0202		
Saturn	-61990-06-17 04:18 J	-20920257.45	-20920257.32	-20920257.16	0.0303	0.0255		
Jupiter	-61977-05-31 13:40 J	-20915525.18	-20915524.93	-20915524.67	0.0527	0.0176		
Saturn	-61960-08-04 23:01 J	-20909250.80	-20909250.54	-20909250.28	0.0303	0.0031		
Jupiter	-61959-02-25 23:01 J	-20909045.73	-20909045.54	-20909045.35	0.0499	0.0357		
Uranus	-61958-01-23 18:13 J	-20908714.05	-20908713.74	-20908713.41	0.0133	0.0018		
Saturn	-61946-08-07 17:59 J	-20904135.02	-20904134.75	-20904134.46	0.0259	0.0129		

Neptune -61928-07-03 17:45 J -20897594.98 -20897594.76 -20897594.52 0.0089 0.0053
 Neptune -61926-05-28 07:54 J -20896901.44 -20896901.17 -20896900.87 0.0089 0.0011
 Neptune -61924-04-20 18:57 J -20896207.96 -20896207.71 -20896207.42 0.0089 0.0032
 Neptune -61922-03-15 05:01 J -20895514.43 -20895514.29 -20895514.11 0.0089 0.0073
 Saturn -61916-09-27 05:30 J -20893126.56 -20893126.27 -20893125.95 0.0259 0.0097
 Uranus -61914-02-19 02:37 J -20892616.68 -20892616.39 -20892616.10 0.0145 0.0017
 Saturn -61902-11-11 12:28 J -20887968.15 -20887967.98 -20887967.79 0.0302 0.0220
 Uranus -61876-10-16 10:33 J -20878497.28 -20878497.06 -20878496.79 0.0134 0.0089
 Uranus -61874-09-19 03:49 J -20877794.56 -20877794.34 -20877794.07 0.0133 0.0086
 Saturn -61872-12-30 15:49 J -20876961.09 -20876960.84 -20876960.57 0.0303 0.0074
 Jupiter -61859-11-18 20:23 J -20872254.87 -20872254.65 -20872254.43 0.0526 0.0312
 Saturn -61857-01-02 05:59 J -20871845.55 -20871845.25 -20871844.95 0.0260 0.0096
 Neptune -61846-03-23 15:21 J -20867747.06 -20867746.86 -20867746.59 0.0089 0.0064
 Neptune -61844-02-16 22:33 J -20867050.89 -20867050.56 -20867050.21 0.0089 0.0014
 Neptune -61842-01-14 06:57 J -20866354.50 -20866354.21 -20866353.87 0.0089 0.0038
 Jupiter -61841-08-16 03:06 J -20865774.65 -20865774.37 -20865774.09 0.0499 0.0039
 Uranus -61832-11-12 12:42 J -20862399.15 -20862398.97 -20862398.75 0.0145 0.0105
 Uranus -61830-10-15 19:54 J -20861696.87 -20861696.67 -20861696.44 0.0146 0.0099
 Saturn -61827-02-21 14:23 J -20860837.17 -20860836.90 -20860836.61 0.0259 0.0136
 Jupiter -61823-08-25 02:23 J -20859191.60 -20859191.40 -20859191.20 0.0527 0.0351
 Saturn -61813-04-07 14:23 J -20855678.12 -20855677.90 -20855677.68 0.0302 0.0172
 Uranus -61791-06-12 02:37 J -20847577.71 -20847577.39 -20847577.07 0.0134 0.0018
 Saturn -61783-05-27 19:40 J -20844670.91 -20844670.68 -20844670.43 0.0303 0.0128
 Saturn -61769-05-28 19:40 J -20839555.99 -20839555.68 -20839555.36 0.0260 0.0052
 Neptune -61764-02-15 21:35 J -20837831.74 -20837831.60 -20837831.39 0.0089 0.0072
 Neptune -61762-01-10 12:42 J -20837138.24 -20837137.97 -20837137.70 0.0089 0.0029
 Neptune -61761-12-04 02:23 J -20836444.68 -20836444.40 -20836444.11 0.0089 0.0013
 Neptune -61759-10-28 13:40 J -20835751.15 -20835750.93 -20835750.70 0.0089 0.0054
 Uranus -61747-07-08 23:01 J -20831479.82 -20831479.54 -20831479.25 0.0145 0.0027
 Saturn -61739-07-19 12:57 J -20828547.19 -20828546.96 -20828546.72 0.0260 0.0178

Saturn -61725-09-02 19:54 J -20823387.92 -20823387.67 -20823387.42 0.0302 0.0111
 Jupiter -61722-02-04 03:35 J -20822503.47 -20822503.35 -20822503.22 0.0500 0.0444
 Saturn -61711-09-03 06:57 J -20818274.33 -20818274.21 -20818274.06 0.0260 0.0236
 Uranus -61708-03-04 18:42 J -20817360.81 -20817360.72 -20817360.57 0.0134 0.0125
 Uranus -61706-02-05 17:16 J -20816658.06 -20816657.78 -20816657.47 0.0133 0.0055
 Jupiter -61704-02-11 04:47 J -20815921.56 -20815921.30 -20815921.03 0.0526 0.0146
 Saturn -61695-10-22 22:04 J -20812380.78 -20812380.58 -20812380.36 0.0303 0.0178
 Jupiter -61687-11-09 07:25 J -20809441.46 -20809441.19 -20809440.92 0.0499 0.0105
 Neptune -61683-11-03 18:28 J -20807985.82 -20807985.73 -20807985.60 0.0089 0.0084
 Neptune -61681-09-29 23:45 J -20807289.81 -20807289.51 -20807289.18 0.0089 0.0035
 Saturn -61681-10-23 17:30 J -20807266.10 -20807265.77 -20807265.45 0.0260 0.0009
 Neptune -61679-08-27 06:57 J -20806593.54 -20806593.21 -20806592.86 0.0089 0.0015
 Neptune -61677-07-23 15:21 J -20805897.06 -20805896.86 -20805896.59 0.0088 0.0066
 Jupiter -61669-11-16 22:18 J -20802858.67 -20802858.57 -20802858.45 0.0527 0.0480
 Uranus -61662-03-04 08:23 J -20800560.41 -20800560.15 -20800559.86 0.0145 0.0052
 Saturn -61651-12-14 03:06 J -20796257.51 -20796257.37 -20796257.19 0.0259 0.0224
 Saturn -61636-01-28 13:54 J -20791098.18 -20791097.92 -20791097.65 0.0303 0.0069
 Uranus -61624-10-29 12:57 J -20786441.25 -20786440.96 -20786440.65 0.0134 0.0051
 Saturn -61622-01-29 00:42 J -20785984.68 -20785984.47 -20785984.25 0.0260 0.0193
 Uranus -61622-10-02 05:59 J -20785738.34 -20785738.25 -20785738.12 0.0133 0.0124
 Saturn -61606-03-19 15:49 J -20780091.00 -20780090.84 -20780090.66 0.0303 0.0231
 Neptune -61599-08-25 17:01 J -20777375.02 -20777374.79 -20777374.53 0.0089 0.0048
 Neptune -61597-07-19 06:57 J -20776681.49 -20776681.21 -20776680.92 0.0089 0.0006
 Neptune -61595-06-12 20:23 J -20775987.89 -20775987.65 -20775987.36 0.0089 0.0036
 Neptune -61593-05-06 08:23 J -20775294.28 -20775294.15 -20775293.98 0.0089 0.0076
 Saturn -61592-03-20 03:49 J -20774976.66 -20774976.34 -20774976.01 0.0259 0.0034
 Uranus -61580-11-25 07:11 J -20770343.43 -20770343.20 -20770342.94 0.0145 0.0077
 Uranus -61578-10-28 11:01 J -20769641.15 -20769641.04 -20769640.88 0.0146 0.0129
 Jupiter -61568-04-29 14:37 J -20766170.11 -20766169.89 -20766169.67 0.0500 0.0286
 Jupiter -61550-05-07 13:11 J -20759588.23 -20759587.95 -20759587.68 0.0526 0.0020

Saturn -61548-06-24 19:11 J -20758808.97 -20758808.70 -20758808.43 0.0303 0.0026
 Uranus -61539-06-25 01:25 J -20755521.75 -20755521.44 -20755521.11 0.0134 0.0022
 Saturn -61534-06-25 04:47 J -20753695.54 -20753695.30 -20753695.03 0.0260 0.0159
 Jupiter -61532-02-01 13:54 J -20753108.16 -20753107.92 -20753107.69 0.0499 0.0258
 Saturn -61518-08-13 07:25 J -20747802.33 -20747802.19 -20747802.04 0.0304 0.0252
 Neptune -61517-05-13 01:54 J -20747528.65 -20747528.42 -20747528.13 0.0089 0.0056
 Neptune -61515-04-09 07:25 J -20746832.53 -20746832.19 -20746831.85 0.0089 0.0007
 Neptune -61513-03-05 14:52 J -20746136.16 -20746135.88 -20746135.56 0.0089 0.0043
 Saturn -61504-08-14 01:54 J -20742687.73 -20742687.42 -20742687.10 0.0259 0.0065
 Uranus -61495-07-21 11:30 J -20739424.31 -20739424.02 -20739423.73 0.0145 0.0002
 Saturn -61490-09-30 07:54 J -20737527.22 -20737527.17 -20737527.10 0.0302 0.0294
 Saturn -61460-11-17 19:40 J -20726520.95 -20726520.68 -20726520.41 0.0303 0.0018
 Uranus -61456-03-17 09:49 J -20725305.32 -20725305.09 -20725304.83 0.0134 0.0090
 Uranus -61454-02-18 11:01 J -20724602.26 -20724602.04 -20724601.79 0.0133 0.0091
 Saturn -61446-11-18 16:04 J -20721407.11 -20721406.83 -20721406.56 0.0259 0.0134
 Neptune -61435-04-09 19:40 J -20717611.86 -20717611.68 -20717611.47 0.0089 0.0066
 Neptune -61433-03-03 11:45 J -20716918.27 -20716918.01 -20716917.71 0.0089 0.0025
 Jupiter -61432-10-25 15:06 J -20716317.04 -20716316.87 -20716316.69 0.0525 0.0408
 Neptune -61431-01-26 01:11 J -20716224.72 -20716224.45 -20716224.15 0.0089 0.0017
 Neptune -61430-12-20 14:37 J -20715531.10 -20715530.89 -20715530.66 0.0089 0.0057
 Saturn -61429-01-06 10:33 J -20715514.16 -20715514.06 -20715513.93 0.0303 0.0273
 Saturn -61415-01-07 10:33 J -20710399.36 -20710399.06 -20710398.75 0.0259 0.0087
 Jupiter -61414-07-24 17:01 J -20709836.06 -20709835.79 -20709835.52 0.0500 0.0084
 Uranus -61412-04-13 21:49 J -20709206.73 -20709206.59 -20709206.43 0.0144 0.0123
 Uranus -61410-03-16 18:28 J -20708504.96 -20708504.73 -20708504.47 0.0145 0.0080
 Saturn -61401-02-22 18:57 J -20705239.74 -20705239.71 -20705239.66 0.0302 0.0298
 Jupiter -61396-08-01 11:45 J -20703253.23 -20703253.01 -20703252.78 0.0526 0.0289
 Jupiter -61378-04-29 04:18 J -20696773.37 -20696773.32 -20696773.25 0.0499 0.0486
 Uranus -61372-11-10 23:01 J -20694385.86 -20694385.54 -20694385.21 0.0134 0.0018
 Saturn -61371-04-12 13:40 J -20694233.20 -20694232.93 -20694232.67 0.0303 0.0008

Saturn -61357-04-12 17:01 J -20689119.07 -20689118.79 -20689118.50 0.0260 0.0121
 Neptune -61354-12-25 08:09 J -20687767.30 -20687767.16 -20687766.95 0.0089 0.0076
 Neptune -61352-11-20 11:01 J -20687071.35 -20687071.04 -20687070.70 0.0089 0.0028
 Neptune -61350-10-17 16:18 J -20686375.15 -20686374.82 -20686374.48 0.0089 0.0021
 Neptune -61348-09-13 00:13 J -20685678.67 -20685678.49 -20685678.25 0.0088 0.0070
 Saturn -61341-05-30 14:52 J -20683227.00 -20683226.88 -20683226.74 0.0304 0.0263
 Uranus -61328-12-08 07:25 J -20678287.45 -20678287.19 -20678286.90 0.0145 0.0045
 Saturn -61327-06-02 01:40 J -20678111.72 -20678111.43 -20678111.12 0.0259 0.0099
 Saturn -61313-07-17 05:45 J -20672952.31 -20672952.26 -20672952.20 0.0301 0.0294
 Jupiter -61295-01-13 09:21 J -20666563.27 -20666563.11 -20666562.93 0.0500 0.0393
 Uranus -61289-08-03 06:13 J -20664169.30 -20664169.24 -20664169.16 0.0135 0.0131
 Uranus -61287-07-07 14:09 J -20663466.20 -20663465.91 -20663465.61 0.0134 0.0054
 Saturn -61283-09-04 12:57 J -20661946.22 -20661945.96 -20661945.69 0.0303 0.0022
 Jupiter -61277-01-21 01:25 J -20659981.71 -20659981.44 -20659981.17 0.0526 0.0107
 Neptune -61272-11-22 20:37 J -20657848.71 -20657848.64 -20657848.52 0.0089 0.0084
 Neptune -61270-10-17 14:09 J -20657155.14 -20657154.91 -20657154.63 0.0089 0.0043
 Saturn -61269-09-05 03:21 J -20656831.64 -20656831.36 -20656831.06 0.0260 0.0112
 Neptune -61268-09-10 06:57 J -20656461.50 -20656461.21 -20656460.92 0.0089 0.0002
 Neptune -61266-08-04 19:54 J -20655767.92 -20655767.67 -20655767.40 0.0089 0.0039
 Neptune -61264-06-28 08:09 J -20655074.26 -20655074.16 -20655074.00 0.0089 0.0079
 Jupiter -61260-10-18 15:49 J -20653501.10 -20653500.84 -20653500.58 0.0500 0.0162
 Saturn -61253-10-23 00:42 J -20650939.58 -20650939.47 -20650939.33 0.0303 0.0267
 Uranus -61243-08-03 19:25 J -20647367.96 -20647367.69 -20647367.39 0.0145 0.0037
 Saturn -61239-10-25 19:40 J -20645823.96 -20645823.68 -20645823.37 0.0259 0.0107
 Uranus -61204-03-30 01:11 J -20633249.73 -20633249.45 -20633249.14 0.0134 0.0056
 Uranus -61202-03-03 03:21 J -20632546.46 -20632546.36 -20632546.25 0.0134 0.0126
 Saturn -61194-01-28 03:06 J -20629658.64 -20629658.37 -20629658.10 0.0302 0.0016
 Neptune -61188-07-03 16:47 J -20627310.07 -20627309.80 -20627309.50 0.0089 0.0048
 Neptune -61186-05-30 20:09 J -20626614.00 -20626613.66 -20626613.32 0.0089 0.0000
 Neptune -61184-04-26 01:11 J -20625917.73 -20625917.45 -20625917.15 0.0088 0.0048

Saturn -61180-01-29 00:13 J -20624543.78 -20624543.49 -20624543.19 0.0260 0.0104
 Saturn -61164-03-17 09:06 J -20618652.24 -20618652.12 -20618651.97 0.0303 0.0259
 Uranus -61160-04-27 11:16 J -20617150.25 -20617150.03 -20617149.79 0.0144 0.0087
 Uranus -61158-03-30 07:11 J -20616448.34 -20616448.20 -20616448.00 0.0145 0.0119
 Saturn -61150-03-20 09:49 J -20613536.36 -20613536.09 -20613535.79 0.0259 0.0120
 Jupiter -61141-04-09 04:33 J -20610228.57 -20610228.31 -20610228.05 0.0500 0.0160
 Saturn -61136-05-04 05:16 J -20608377.30 -20608377.28 -20608377.22 0.0301 0.0297
 Jupiter -61123-04-16 15:21 J -20603647.12 -20603646.86 -20603646.59 0.0527 0.0143
 Uranus -61120-11-23 20:37 J -20602329.96 -20602329.64 -20602329.31 0.0134 0.0019
 Neptune -61106-06-01 17:30 J -20597391.97 -20597391.77 -20597391.54 0.0089 0.0060
 Saturn -61106-06-22 23:01 J -20597370.81 -20597370.54 -20597370.27 0.0302 0.0013
 Jupiter -61105-01-13 05:45 J -20597166.43 -20597166.26 -20597166.09 0.0499 0.0387
 Neptune -61104-04-25 10:47 J -20596698.32 -20596698.05 -20596697.75 0.0089 0.0020
 Neptune -61102-03-20 02:52 J -20596004.65 -20596004.38 -20596004.08 0.0089 0.0021
 Neptune -61100-02-10 16:04 J -20595311.01 -20595310.83 -20595310.59 0.0089 0.0061
 Pluto -61094-06-14 16:18 J -20592995.97 -20592995.82 -20592995.62 0.0065 0.0055
 Saturn -61092-06-23 21:06 J -20592255.92 -20592255.62 -20592255.31 0.0260 0.0088
 Saturn -61076-08-10 18:13 J -20586363.83 -20586363.74 -20586363.63 0.0303 0.0278
 Uranus -61076-12-21 13:54 J -20586231.20 -20586230.92 -20586230.63 0.0145 0.0011
 Saturn -61062-08-13 22:33 J -20581247.82 -20581247.56 -20581247.27 0.0260 0.0138
 Saturn -61048-09-27 16:33 J -20576088.91 -20576088.81 -20576088.70 0.0300 0.0277
 Uranus -61037-08-16 00:42 J -20572113.67 -20572113.47 -20572113.20 0.0135 0.0095
 Uranus -61035-07-20 08:37 J -20571410.35 -20571410.14 -20571409.88 0.0134 0.0092
 Neptune -61024-02-14 01:54 J -20567548.62 -20567548.42 -20567548.18 0.0089 0.0067
 Jupiter -61023-09-29 11:45 J -20566956.02 -20566956.01 -20566956.00 0.0501 0.0500
 Neptune -61022-01-11 03:06 J -20566852.69 -20566852.37 -20566852.03 0.0089 0.0021
 Neptune -61021-12-07 06:57 J -20566156.53 -20566156.21 -20566155.88 0.0089 0.0027
 Neptune -61019-11-03 11:59 J -20565460.15 -20565460.00 -20565459.78 0.0088 0.0075
 Saturn -61018-11-16 21:49 J -20565081.86 -20565081.59 -20565081.32 0.0302 0.0016
 Jupiter -61005-10-03 21:49 J -20560376.81 -20560376.59 -20560376.38 0.0526 0.0333

Saturn -61004-11-17 19:40 J -20559966.99 -20559966.68 -20559966.36 0.0261 0.0062

61ST MILLENNIUM BCE

This is a list of transits of Mars in the 61st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-60993-09-14 01:25 J	-20556013.50	-20556013.44	-20556013.31	0.0144	0.0136		
Uranus	-60991-08-16 14:37 J	-20555312.14	-20555311.89	-20555311.62	0.0145	0.0066		
Jupiter	-60987-07-04 06:13 J	-20553894.51	-20553894.24	-20553893.97	0.0499	0.0029		
Saturn	-60973-01-07 17:59 J	-20548958.98	-20548958.75	-20548958.49	0.0260	0.0170		
Jupiter	-60969-07-10 18:13 J	-20547312.94	-20547312.74	-20547312.54	0.0527	0.0356		
Saturn	-60959-02-22 04:33 J	-20543799.47	-20543799.31	-20543799.14	0.0300	0.0240		
Uranus	-60952-04-11 14:52 J	-20541194.20	-20541193.88	-20541193.55	0.0135	0.0021		
Saturn	-60945-02-23 03:06 J	-20538685.42	-20538685.37	-20538685.28	0.0262	0.0255		
Neptune	-60942-01-14 20:52 J	-20537628.75	-20537628.63	-20537628.46	0.0089	0.0077		
Neptune	-60941-12-08 15:21 J	-20536935.11	-20536934.86	-20536934.58	0.0089	0.0037		
Neptune	-60939-11-02 07:54 J	-20536241.46	-20536241.17	-20536240.88	0.0089	0.0003		
Neptune	-60937-09-25 23:01 J	-20535547.77	-20535547.54	-20535547.27	0.0089	0.0043		
Neptune	-60935-08-20 12:42 J	-20534854.05	-20534853.97	-20534853.83	0.0089	0.0082		
Saturn	-60929-04-12 13:25 J	-20532792.19	-20532791.94	-20532791.67	0.0302	0.0062		
Saturn	-60915-04-13 23:59 J	-20527677.82	-20527677.50	-20527677.18	0.0261	0.0024		
Uranus	-60908-05-09 23:45 J	-20525094.76	-20525094.51	-20525094.24	0.0144	0.0061		
Uranus	-60906-04-11 17:30 J	-20524392.79	-20524392.77	-20524392.75	0.0145	0.0144		
Saturn	-60885-06-03 12:28 J	-20516669.16	-20516668.98	-20516668.78	0.0260	0.0210		

Saturn -60871-07-20 07:11 J -20511509.42 -20511509.20 -20511508.99 0.0300 0.0182
 Jupiter -60869-12-22 21:21 J -20510622.80 -20510622.61 -20510622.42 0.0500 0.0351
 Uranus -60868-12-05 21:49 J -20510274.87 -20510274.59 -20510274.26 0.0134 0.0050
 Neptune -60861-09-27 14:52 J -20507786.95 -20507786.88 -20507786.77 0.0089 0.0085
 Neptune -60859-08-24 12:28 J -20507091.26 -20507090.98 -20507090.65 0.0089 0.0040
 Saturn -60857-07-19 15:21 J -20506396.03 -20506395.86 -20506395.66 0.0262 0.0213
 Neptune -60857-07-20 14:23 J -20506395.23 -20506394.90 -20506394.55 0.0089 0.0007
 Neptune -60855-06-16 18:28 J -20505698.98 -20505698.73 -20505698.44 0.0089 0.0054
 Jupiter -60851-12-28 10:33 J -20504043.32 -20504043.06 -20504042.79 0.0526 0.0153
 Pluto -60848-11-03 16:04 J -20503001.98 -20503001.83 -20503001.63 0.0065 0.0055
 Saturn -60841-09-07 16:18 J -20500502.06 -20500501.82 -20500501.57 0.0302 0.0112
 Jupiter -60833-09-26 15:35 J -20497561.10 -20497560.85 -20497560.59 0.0499 0.0178
 Saturn -60827-09-08 22:47 J -20495387.87 -20495387.55 -20495387.23 0.0261 0.0021
 Uranus -60823-01-03 03:35 J -20494175.63 -20494175.35 -20494175.06 0.0144 0.0016
 Jupiter -60815-10-03 13:40 J -20490980.03 -20490979.93 -20490979.82 0.0527 0.0487
 Saturn -60797-10-29 04:33 J -20484379.34 -20484379.31 -20484379.23 0.0260 0.0256
 Uranus -60785-08-27 19:25 J -20480058.96 -20480058.69 -20480058.40 0.0135 0.0070
 Uranus -60783-08-01 07:40 J -20479355.31 -20479355.18 -20479355.02 0.0134 0.0119
 Saturn -60783-12-15 10:18 J -20479219.30 -20479219.07 -20479218.82 0.0301 0.0133
 Neptune -60777-07-23 20:37 J -20477171.87 -20477171.64 -20477171.39 0.0089 0.0053
 Neptune -60775-06-17 15:06 J -20476478.15 -20476477.87 -20476477.57 0.0089 0.0014
 Neptune -60773-05-11 07:25 J -20475784.46 -20475784.19 -20475783.91 0.0089 0.0026
 Neptune -60771-04-04 21:49 J -20475090.76 -20475090.59 -20475090.37 0.0089 0.0065
 Saturn -60769-12-14 14:23 J -20474106.14 -20474105.90 -20474105.65 0.0262 0.0167
 Saturn -60752-02-02 21:35 J -20468211.81 -20468211.60 -20468211.38 0.0302 0.0174
 Uranus -60741-09-26 23:45 J -20463957.69 -20463957.51 -20463957.31 0.0144 0.0107
 Uranus -60739-08-29 11:59 J -20463256.19 -20463256.00 -20463255.76 0.0144 0.0097
 Saturn -60738-02-03 15:21 J -20463098.17 -20463097.86 -20463097.55 0.0261 0.0066
 Jupiter -60714-03-18 02:23 J -20454289.64 -20454289.40 -20454289.15 0.0500 0.0213
 Uranus -60700-04-23 08:23 J -20449139.48 -20449139.15 -20449138.82 0.0135 0.0003

Jupiter -60696-03-22 06:42 J -20447710.49 -20447710.22 -20447709.94 0.0526 0.0017
 Neptune -60695-04-07 02:37 J -20447329.61 -20447329.39 -20447329.10 0.0089 0.0058
 Saturn -60694-05-12 09:35 J -20446929.36 -20446929.10 -20446928.83 0.0301 0.0075
 Neptune -60693-03-03 01:25 J -20446633.76 -20446633.44 -20446633.09 0.0089 0.0013
 Neptune -60691-01-28 03:21 J -20445937.67 -20445937.36 -20445937.04 0.0089 0.0034
 Neptune -60690-12-25 07:25 J -20445241.29 -20445241.19 -20445241.01 0.0089 0.0081
 Saturn -60680-05-11 04:04 J -20441816.60 -20441816.33 -20441816.05 0.0261 0.0126
 Jupiter -60679-12-20 14:52 J -20441228.09 -20441227.88 -20441227.66 0.0499 0.0307
 Saturn -60664-06-30 07:11 J -20435922.38 -20435922.20 -20435921.99 0.0302 0.0211
 Uranus -60656-05-23 04:33 J -20433038.59 -20433038.31 -20433038.02 0.0144 0.0030
 Saturn -60650-07-01 02:23 J -20430808.68 -20430808.40 -20430808.09 0.0260 0.0106
 Uranus -60617-01-14 04:18 J -20418923.45 -20418923.32 -20418923.13 0.0135 0.0119
 Uranus -60616-12-17 23:01 J -20418219.79 -20418219.54 -20418219.25 0.0134 0.0077
 Neptune -60613-03-08 00:57 J -20417408.62 -20417408.46 -20417408.25 0.0089 0.0069
 Neptune -60611-01-30 21:35 J -20416714.87 -20416714.60 -20416714.32 0.0089 0.0029
 Neptune -60610-12-25 16:04 J -20416021.11 -20416020.83 -20416020.53 0.0089 0.0010
 Neptune -60608-11-18 07:11 J -20415327.41 -20415327.20 -20415326.93 0.0089 0.0049
 Saturn -60606-10-06 04:18 J -20414640.59 -20414640.32 -20414640.05 0.0301 0.0052
 Neptune -60606-10-12 22:04 J -20414633.64 -20414633.58 -20414633.51 0.0089 0.0086
 Saturn -60592-10-05 06:13 J -20409527.54 -20409527.24 -20409526.94 0.0261 0.0091
 Jupiter -60578-09-09 08:52 J -20404440.23 -20404440.13 -20404440.03 0.0525 0.0488
 Saturn -60576-11-24 05:45 J -20403633.40 -20403633.26 -20403633.10 0.0302 0.0247
 Uranus -60571-01-16 07:40 J -20402119.44 -20402119.18 -20402118.90 0.0144 0.0048
 Saturn -60562-11-25 00:13 J -20398519.75 -20398519.49 -20398519.20 0.0260 0.0136
 Jupiter -60560-06-10 16:47 J -20397956.06 -20397955.80 -20397955.53 0.0500 0.0047
 Jupiter -60542-06-16 15:49 J -20391376.09 -20391375.84 -20391375.59 0.0526 0.0224
 Uranus -60533-09-08 19:54 J -20388003.97 -20388003.67 -20388003.34 0.0135 0.0043
 Neptune -60532-11-18 19:25 J -20387567.85 -20387567.69 -20387567.49 0.0089 0.0074
 Neptune -60530-10-15 17:01 J -20386872.09 -20386871.79 -20386871.46 0.0089 0.0030
 Neptune -60528-09-10 16:33 J -20386176.14 -20386175.81 -20386175.47 0.0089 0.0015

Neptune -60526-08-07 18:13 J -20385479.97 -20385479.74 -20385479.47 0.0089 0.0061
 Jupiter -60524-03-15 16:18 J -20384893.83 -20384893.82 -20384893.81 0.0499 0.0499
 Saturn -60517-02-29 13:40 J -20382352.20 -20382351.93 -20382351.66 0.0301 0.0026
 Saturn -60503-02-28 21:06 J -20377238.93 -20377238.62 -20377238.31 0.0261 0.0069
 Uranus -60489-10-09 20:09 J -20371901.90 -20371901.66 -20371901.43 0.0144 0.0081
 Saturn -60487-04-18 22:47 J -20371345.69 -20371345.55 -20371345.39 0.0303 0.0250
 Uranus -60487-09-11 05:45 J -20371200.39 -20371200.26 -20371200.10 0.0145 0.0125
 Saturn -60473-04-19 04:33 J -20366231.56 -20366231.31 -20366231.05 0.0260 0.0157
 Neptune -60450-10-22 07:11 J -20357645.26 -20357645.20 -20357645.06 0.0089 0.0084
 Uranus -60448-05-05 09:06 J -20357084.43 -20357084.12 -20357083.79 0.0135 0.0032
 Neptune -60448-09-15 05:01 J -20356951.54 -20356951.29 -20356951.03 0.0089 0.0044
 Neptune -60446-08-09 23:59 J -20356257.78 -20356257.50 -20356257.20 0.0089 0.0006
 Neptune -60444-07-03 18:42 J -20355563.99 -20355563.72 -20355563.45 0.0089 0.0033
 Neptune -60442-05-28 10:04 J -20354870.23 -20354870.08 -20354869.89 0.0089 0.0071
 Jupiter -60442-12-01 11:16 J -20354683.22 -20354683.03 -20354682.85 0.0500 0.0359
 Saturn -60429-07-23 19:25 J -20350064.96 -20350064.69 -20350064.42 0.0301 0.0034
 Jupiter -60424-12-04 12:13 J -20348105.24 -20348104.99 -20348104.72 0.0526 0.0201
 Saturn -60415-07-24 17:01 J -20344951.10 -20344950.79 -20344950.48 0.0261 0.0054
 Jupiter -60406-09-05 07:25 J -20341621.43 -20341621.19 -20341620.93 0.0500 0.0177
 Uranus -60404-06-04 12:42 J -20340983.25 -20340982.97 -20340982.68 0.0144 0.0009
 Saturn -60399-09-11 14:09 J -20339058.04 -20339057.91 -20339057.76 0.0302 0.0258
 Jupiter -60388-09-10 11:16 J -20335041.12 -20335041.03 -20335040.92 0.0527 0.0493
 Saturn -60385-09-12 05:45 J -20333943.49 -20333943.26 -20333943.00 0.0260 0.0169
 Neptune -60366-05-29 09:35 J -20327110.35 -20327110.10 -20327109.78 0.0089 0.0047
 Uranus -60365-01-25 17:01 J -20326869.02 -20326868.79 -20326868.55 0.0135 0.0095
 Neptune -60364-04-24 07:54 J -20326414.50 -20326414.17 -20326413.83 0.0089 0.0003
 Uranus -60364-12-29 13:54 J -20326165.10 -20326164.92 -20326164.68 0.0134 0.0103
 Neptune -60362-03-21 07:54 J -20325718.44 -20325718.17 -20325717.85 0.0089 0.0043
 Neptune -60360-02-14 10:18 J -20325022.09 -20325022.07 -20325021.98 0.0089 0.0088
 Saturn -60341-12-16 07:25 J -20317777.46 -20317777.19 -20317776.92 0.0301 0.0030

Saturn -60327-12-17 15:35 J -20312663.16 -20312662.85 -20312662.54 0.0262 0.0045
 Uranus -60321-02-27 04:04 J -20310765.42 -20310765.33 -20310765.24 0.0143 0.0135
 Uranus -60319-01-28 06:42 J -20310064.45 -20310064.22 -20310063.94 0.0144 0.0068
 Saturn -60310-02-03 15:35 J -20306771.00 -20306770.85 -20306770.69 0.0302 0.0247
 Saturn -60296-02-04 17:45 J -20301655.98 -20301655.76 -20301655.52 0.0260 0.0180
 Jupiter -60287-02-25 06:13 J -20298348.49 -20298348.24 -20298347.98 0.0500 0.0129
 Neptune -60284-04-30 12:28 J -20297188.17 -20297187.98 -20297187.73 0.0089 0.0059
 Neptune -60282-03-25 10:18 J -20296494.35 -20296494.07 -20296493.78 0.0089 0.0020
 Uranus -60281-09-20 00:42 J -20295949.79 -20295949.47 -20295949.13 0.0135 0.0024
 Neptune -60280-02-16 04:33 J -20295800.59 -20295800.31 -20295800.01 0.0089 0.0019
 Neptune -60278-01-10 22:47 J -20295106.77 -20295106.55 -20295106.32 0.0089 0.0056
 Jupiter -60269-02-29 08:23 J -20291770.43 -20291770.15 -20291769.87 0.0527 0.0068
 Saturn -60268-03-23 04:33 J -20291382.35 -20291382.31 -20291382.24 0.0263 0.0259
 Saturn -60252-05-10 14:23 J -20285490.17 -20285489.90 -20285489.63 0.0300 0.0036
 Jupiter -60252-11-30 01:40 J -20285286.58 -20285286.43 -20285286.27 0.0499 0.0406
 Saturn -60238-05-12 02:52 J -20280375.69 -20280375.38 -20280375.06 0.0262 0.0035
 Uranus -60237-10-21 23:30 J -20279846.76 -20279846.52 -20279846.24 0.0143 0.0063
 Saturn -60222-06-29 11:01 J -20274483.18 -20274483.04 -20274482.90 0.0302 0.0255
 Saturn -60208-06-30 19:11 J -20269367.90 -20269367.70 -20269367.47 0.0261 0.0192
 Neptune -60202-01-10 08:23 J -20267348.36 -20267348.15 -20267347.88 0.0089 0.0062
 Neptune -60201-12-06 03:21 J -20266652.67 -20266652.36 -20266652.02 0.0089 0.0019
 Neptune -60199-11-02 01:25 J -20265956.74 -20265956.44 -20265956.10 0.0089 0.0026
 Neptune -60197-09-28 02:23 J -20265260.57 -20265260.40 -20265260.15 0.0089 0.0070
 Uranus -60196-05-16 06:13 J -20265030.53 -20265030.24 -20265029.91 0.0135 0.0048
 Saturn -60180-08-15 19:11 J -20259094.79 -20259094.70 -20259094.57 0.0264 0.0246
 Jupiter -60169-08-17 04:33 J -20255075.43 -20255075.31 -20255075.18 0.0501 0.0440
 Saturn -60164-10-03 19:25 J -20253201.96 -20253201.69 -20253201.42 0.0300 0.0021
 Uranus -60152-06-16 22:47 J -20248927.83 -20248927.55 -20248927.26 0.0144 0.0014
 Jupiter -60151-08-18 12:42 J -20248500.15 -20248499.97 -20248499.78 0.0526 0.0398
 Saturn -60150-10-05 09:49 J -20248087.40 -20248087.09 -20248086.77 0.0262 0.0019

Saturn -60134-11-22 15:35 J -20242194.97 -20242194.85 -20242194.73 0.0301 0.0268
 Jupiter -60133-05-21 18:42 J -20242013.99 -20242013.72 -20242013.46 0.0499 0.0082
 Neptune -60121-12-13 19:25 J -20237424.84 -20237424.69 -20237424.49 0.0089 0.0072
 Saturn -60120-11-23 19:40 J -20237079.86 -20237079.68 -20237079.49 0.0261 0.0212
 Neptune -60119-11-07 18:42 J -20236730.97 -20236730.72 -20236730.43 0.0089 0.0034
 Neptune -60117-10-01 16:18 J -20236037.11 -20236036.82 -20236036.52 0.0089 0.0005
 Jupiter -60115-05-26 00:57 J -20235435.68 -20235435.46 -20235435.23 0.0526 0.0321
 Neptune -60115-08-26 09:49 J -20235343.33 -20235343.09 -20235342.82 0.0089 0.0042
 Uranus -60113-02-05 15:49 J -20234815.09 -20234814.84 -20234814.55 0.0135 0.0081
 Neptune -60113-07-20 02:52 J -20234649.49 -20234649.38 -20234649.22 0.0089 0.0079
 Uranus -60111-01-09 15:06 J -20234111.00 -20234110.87 -20234110.70 0.0135 0.0120
 Saturn -60105-01-09 08:23 J -20231920.21 -20231920.15 -20231920.07 0.0298 0.0288
 Saturn -60091-01-09 09:49 J -20226806.24 -20226806.09 -20226805.91 0.0264 0.0224
 Saturn -60075-02-27 16:04 J -20220913.10 -20220912.83 -20220912.56 0.0299 0.0010
 Uranus -60069-03-10 19:25 J -20218709.84 -20218709.69 -20218709.50 0.0143 0.0113
 Uranus -60067-02-09 22:33 J -20218008.76 -20218008.56 -20218008.32 0.0144 0.0091
 Saturn -60061-02-28 19:11 J -20215799.02 -20215798.70 -20215798.39 0.0262 0.0009
 Neptune -60039-08-24 08:37 J -20207586.29 -20207586.14 -20207585.95 0.0089 0.0076
 Neptune -60037-07-20 01:54 J -20206890.71 -20206890.42 -20206890.10 0.0089 0.0034
 Neptune -60035-06-15 22:04 J -20206194.92 -20206194.58 -20206194.25 0.0089 0.0009
 Neptune -60033-05-11 19:54 J -20205498.92 -20205498.67 -20205498.38 0.0089 0.0053
 Saturn -60031-04-19 22:18 J -20204790.68 -20204790.57 -20204790.45 0.0262 0.0244
 Uranus -60029-10-01 04:04 J -20203895.66 -20203895.33 -20203895.00 0.0135 0.0006
 Saturn -60017-06-04 19:54 J -20199630.81 -20199630.67 -20199630.49 0.0297 0.0242
 Jupiter -60015-11-11 02:09 J -20198741.63 -20198741.41 -20198741.18 0.0500 0.0268
 Saturn -60003-06-05 05:59 J -20194517.45 -20194517.25 -20194517.02 0.0264 0.0190

60TH MILLENNIUM BCE

This is a list of transits of Mars in the 60th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-59997-11-11 12:13 J		-20192166.25	-20192165.99	-20192165.72	0.0525	0.0186	
Saturn	-59987-07-25 08:23 J		-20188623.41	-20188623.15	-20188622.88	0.0300	0.0054	
Uranus	-59985-11-03 13:25 J		-20187791.20	-20187790.94	-20187790.66	0.0143	0.0041	
Jupiter	-59979-08-15 12:42 J		-20185680.20	-20185679.97	-20185679.73	0.0500	0.0247	
Saturn	-59973-07-25 06:57 J		-20183509.52	-20183509.21	-20183508.90	0.0263	0.0048	
Jupiter	-59961-08-18 03:21 J		-20179102.47	-20179102.36	-20179102.23	0.0527	0.0475	
Neptune	-59957-07-29 03:49 J		-20177661.39	-20177661.34	-20177661.21	0.0089	0.0085	
Neptune	-59955-06-23 04:04 J		-20176967.56	-20176967.33	-20176967.06	0.0089	0.0047	
Neptune	-59953-05-17 03:06 J		-20176273.66	-20176273.37	-20176273.07	0.0089	0.0009	
Neptune	-59951-04-10 23:59 J		-20175579.76	-20175579.50	-20175579.20	0.0089	0.0029	
Neptune	-59949-03-04 17:45 J		-20174885.95	-20174885.76	-20174885.55	0.0089	0.0065	
Uranus	-59946-06-23 10:33 J		-20173680.07	-20173680.06	-20173680.01	0.0136	0.0135	
Uranus	-59944-05-27 15:21 J		-20172976.13	-20172975.86	-20172975.56	0.0135	0.0069	
Saturn	-59929-10-30 20:09 J		-20167340.87	-20167340.66	-20167340.45	0.0298	0.0193	
Saturn	-59915-10-31 01:25 J		-20162227.69	-20162227.44	-20162227.17	0.0264	0.0145	
Uranus	-59900-06-29 03:49 J		-20156872.62	-20156872.34	-20156872.06	0.0144	0.0032	
Saturn	-59899-12-20 14:37 J		-20156333.13	-20156332.89	-20156332.63	0.0299	0.0118	
Saturn	-59885-12-19 21:35 J		-20151219.89	-20151219.60	-20151219.30	0.0262	0.0093	
Neptune	-59873-03-03 03:35 J		-20147128.61	-20147128.35	-20147128.06	0.0089	0.0048	
Neptune	-59871-01-27 21:49 J		-20146432.92	-20146432.59	-20146432.25	0.0089	0.0006	
Neptune	-59870-12-24 17:45 J		-20145737.04	-20145736.76	-20145736.43	0.0089	0.0037	
Neptune	-59868-11-19 16:18 J		-20145040.93	-20145040.82	-20145040.63	0.0089	0.0080	

Uranus -59861-02-16 20:52 J -20142760.93 -20142760.63 -20142760.33 0.0135 0.0060
 Jupiter -59860-02-03 07:40 J -20142408.44 -20142408.18 -20142407.93 0.0501 0.0134
 Jupiter -59842-02-04 03:35 J -20135833.64 -20135833.35 -20135833.07 0.0525 0.0058
 Saturn -59840-03-28 04:18 J -20135050.57 -20135050.32 -20135050.07 0.0298 0.0128
 Saturn -59826-03-27 21:21 J -20129937.90 -20129937.61 -20129937.32 0.0264 0.0099
 Jupiter -59825-11-07 11:45 J -20129347.19 -20129347.01 -20129346.83 0.0499 0.0368
 Uranus -59817-03-22 16:47 J -20126654.99 -20126654.80 -20126654.59 0.0143 0.0100
 Uranus -59815-02-21 17:01 J -20125953.96 -20125953.79 -20125953.57 0.0144 0.0106
 Saturn -59810-05-17 13:40 J -20124043.14 -20124042.93 -20124042.69 0.0300 0.0166
 Saturn -59796-05-16 21:06 J -20118929.89 -20118929.62 -20118929.35 0.0262 0.0142
 Neptune -59791-02-05 13:54 J -20117204.12 -20117203.92 -20117203.68 0.0089 0.0059
 Neptune -59790-12-31 13:25 J -20116510.22 -20116509.94 -20116509.64 0.0089 0.0022
 Neptune -59788-11-24 10:47 J -20115816.33 -20115816.05 -20115815.75 0.0089 0.0016
 Neptune -59786-10-19 07:11 J -20115122.42 -20115122.20 -20115121.94 0.0089 0.0052
 Neptune -59784-09-12 00:42 J -20114428.48 -20114428.47 -20114428.39 0.0089 0.0088
 Uranus -59777-10-12 03:35 J -20111841.68 -20111841.35 -20111841.01 0.0135 0.0013
 Pluto -59773-11-16 05:01 J -20110345.52 -20110345.29 -20110345.00 0.0080 0.0041
 Saturn -59752-08-22 16:18 J -20102761.08 -20102760.82 -20102760.55 0.0299 0.0090
 Jupiter -59742-07-26 08:09 J -20099136.17 -20099136.16 -20099136.13 0.0502 0.0500
 Saturn -59738-08-22 15:49 J -20097648.15 -20097647.84 -20097647.53 0.0263 0.0054
 Uranus -59733-11-15 06:13 J -20095736.51 -20095736.24 -20095735.96 0.0143 0.0028
 Saturn -59722-10-12 06:42 J -20091753.39 -20091753.22 -20091753.02 0.0300 0.0218
 Neptune -59710-10-16 08:52 J -20087366.34 -20087366.13 -20087365.87 0.0089 0.0062
 Neptune -59708-09-10 23:30 J -20086670.82 -20086670.52 -20086670.18 0.0089 0.0021
 Saturn -59708-10-11 10:04 J -20086640.30 -20086640.08 -20086639.84 0.0262 0.0181
 Jupiter -59706-04-29 12:57 J -20086075.22 -20086074.96 -20086074.69 0.0500 0.0010
 Neptune -59706-08-07 18:28 J -20085975.05 -20085974.73 -20085974.41 0.0089 0.0021
 Neptune -59704-07-03 15:06 J -20085279.07 -20085278.87 -20085278.60 0.0089 0.0064
 Uranus -59694-07-03 21:35 J -20081626.72 -20081626.60 -20081626.45 0.0136 0.0124
 Uranus -59692-06-07 06:57 J -20080922.46 -20080922.21 -20080921.94 0.0135 0.0083

Jupiter -59688-04-29 22:04 J -20079499.85 -20079499.58 -20079499.31 0.0526 0.0151
 Saturn -59680-11-27 10:33 J -20076366.14 -20076366.06 -20076365.96 0.0265 0.0253
 Saturn -59663-01-16 21:35 J -20070471.87 -20070471.60 -20070471.33 0.0298 0.0049
 Saturn -59649-01-16 21:35 J -20065358.91 -20065358.60 -20065358.28 0.0263 0.0023
 Uranus -59648-07-11 01:25 J -20064817.70 -20064817.44 -20064817.16 0.0143 0.0047
 Saturn -59633-03-06 16:33 J -20059464.97 -20059464.81 -20059464.63 0.0301 0.0234
 Neptune -59628-09-20 21:35 J -20057440.76 -20057440.60 -20057440.40 0.0089 0.0071
 Neptune -59626-08-16 00:28 J -20056746.75 -20056746.48 -20056746.19 0.0089 0.0034
 Neptune -59624-07-09 23:45 J -20056052.80 -20056052.51 -20056052.21 0.0089 0.0003
 Neptune -59622-06-03 20:23 J -20055358.90 -20055358.65 -20055358.37 0.0089 0.0039
 Neptune -59620-04-27 16:04 J -20054664.96 -20054664.83 -20054664.64 0.0089 0.0075
 Saturn -59619-03-07 06:13 J -20054351.42 -20054351.24 -20054351.05 0.0262 0.0211
 Pluto -59614-09-04 18:28 J -20052344.06 -20052343.73 -20052343.40 0.0065 0.0000
 Uranus -59609-02-27 08:23 J -20050707.46 -20050707.15 -20050706.84 0.0135 0.0050
 Saturn -59591-04-23 06:28 J -20044077.36 -20044077.23 -20044077.06 0.0265 0.0231
 Jupiter -59588-10-19 06:13 J -20042802.44 -20042802.24 -20042802.03 0.0501 0.0318
 Saturn -59575-06-11 16:47 J -20038184.07 -20038183.80 -20038183.52 0.0299 0.0045
 Jupiter -59570-10-17 21:06 J -20036229.84 -20036229.62 -20036229.38 0.0525 0.0314
 Uranus -59565-04-03 22:47 J -20034599.78 -20034599.55 -20034599.32 0.0143 0.0083
 Uranus -59563-03-05 22:33 J -20033898.69 -20033898.56 -20033898.40 0.0144 0.0124
 Saturn -59561-06-11 05:01 J -20033070.60 -20033070.29 -20033069.98 0.0263 0.0001
 Jupiter -59552-07-23 17:16 J -20029741.03 -20029740.78 -20029740.54 0.0500 0.0199
 Neptune -59546-05-30 16:47 J -20027603.96 -20027603.80 -20027603.60 0.0089 0.0074
 Saturn -59545-07-30 19:54 J -20027176.81 -20027176.67 -20027176.52 0.0300 0.0253
 Neptune -59544-04-25 05:59 J -20026908.56 -20026908.25 -20026907.95 0.0089 0.0034
 Neptune -59542-03-21 20:23 J -20026212.97 -20026212.65 -20026212.31 0.0089 0.0007
 Neptune -59540-02-14 15:21 J -20025517.12 -20025516.86 -20025516.56 0.0089 0.0048
 Jupiter -59534-07-25 07:25 J -20023165.37 -20023165.19 -20023165.00 0.0527 0.0397
 Saturn -59531-07-31 15:35 J -20022063.00 -20022062.85 -20022062.69 0.0262 0.0228
 Uranus -59525-10-22 19:40 J -20019788.00 -20019787.68 -20019787.35 0.0135 0.0025

Saturn -59503-09-16 02:52 J -20011789.54 -20011789.38 -20011789.18 0.0265 0.0216
 Saturn -59487-11-04 11:01 J -20005896.31 -20005896.04 -20005895.77 0.0298 0.0035
 Uranus -59481-11-27 17:16 J -20003681.07 -20003680.78 -20003680.50 0.0143 0.0009
 Saturn -59473-11-04 07:25 J -20000782.50 -20000782.19 -20000781.87 0.0263 0.0011
 Neptune -59464-05-06 05:16 J -19997677.36 -19997677.28 -19997677.14 0.0089 0.0083
 Neptune -59462-03-31 08:52 J -19996983.37 -19996983.13 -19996982.86 0.0089 0.0046
 Neptune -59460-02-22 10:47 J -19996289.33 -19996289.05 -19996288.74 0.0089 0.0010
 Neptune -59458-01-17 10:04 J -19995595.35 -19995595.08 -19995594.79 0.0089 0.0027
 Neptune -59457-12-11 06:13 J -19994901.44 -19994901.24 -19994901.02 0.0089 0.0062
 Saturn -59457-12-22 21:35 J -19994889.74 -19994889.60 -19994889.43 0.0300 0.0244
 Saturn -59443-12-24 04:18 J -19989775.42 -19989775.32 -19989775.17 0.0262 0.0240
 Uranus -59442-07-14 22:18 J -19989572.77 -19989572.57 -19989572.37 0.0136 0.0108
 Uranus -59440-06-18 07:54 J -19988868.37 -19988868.17 -19988867.93 0.0135 0.0101
 Jupiter -59433-01-13 21:06 J -19986467.87 -19986467.62 -19986467.36 0.0501 0.0103
 Jupiter -59415-01-11 17:30 J -19979895.06 -19979894.77 -19979894.49 0.0526 0.0043
 Saturn -59414-02-09 00:42 J -19979501.65 -19979501.47 -19979501.27 0.0265 0.0208
 Saturn -59398-03-29 11:59 J -19973609.27 -19973609.00 -19973608.72 0.0298 0.0045
 Uranus -59398-08-22 14:23 J -19973462.95 -19973462.90 -19973462.83 0.0143 0.0139
 Jupiter -59398-10-18 10:18 J -19973406.20 -19973406.07 -19973405.92 0.0499 0.0421
 Uranus -59396-07-23 08:52 J -19972762.36 -19972762.13 -19972761.86 0.0144 0.0067
 Saturn -59384-03-29 15:35 J -19968495.15 -19968494.85 -19968494.53 0.0263 0.0021
 Neptune -59382-01-12 02:37 J -19967841.44 -19967841.39 -19967841.28 0.0089 0.0086
 Neptune -59381-12-07 12:57 J -19967146.21 -19967145.96 -19967145.66 0.0089 0.0047
 Neptune -59379-11-03 03:21 J -19966450.68 -19966450.36 -19966450.03 0.0089 0.0007
 Neptune -59377-09-28 19:11 J -19965755.01 -19965754.70 -19965754.39 0.0089 0.0033
 Neptune -59375-08-25 14:23 J -19965059.08 -19965058.90 -19965058.71 0.0089 0.0074
 Saturn -59368-05-17 10:47 J -19962602.20 -19962602.05 -19962601.89 0.0300 0.0247
 Uranus -59357-03-09 13:40 J -19958653.26 -19958652.93 -19958652.60 0.0135 0.0029
 Saturn -59354-05-19 01:25 J -19957487.52 -19957487.44 -19957487.33 0.0262 0.0249
 Saturn -59326-07-04 08:23 J -19947214.33 -19947214.15 -19947213.93 0.0266 0.0200

Jupiter -59315-07-06 06:57 J -19943194.36 -19943194.21 -19943194.04 0.0502 0.0396
 Uranus -59313-04-16 00:13 J -19942544.73 -19942544.49 -19942544.24 0.0143 0.0068
 Uranus -59311-03-17 22:04 J -19941843.62 -19941843.58 -19941843.51 0.0144 0.0141
 Saturn -59310-08-22 04:47 J -19941321.57 -19941321.30 -19941321.02 0.0298 0.0038
 Neptune -59299-11-13 17:16 J -19937219.98 -19937219.78 -19937219.52 0.0089 0.0058
 Jupiter -59297-06-30 18:13 J -19936624.80 -19936624.74 -19936624.65 0.0525 0.0506
 Neptune -59297-10-07 19:54 J -19936525.94 -19936525.67 -19936525.36 0.0089 0.0022
 Saturn -59296-08-22 15:06 J -19936207.18 -19936206.87 -19936206.56 0.0264 0.0031
 Neptune -59295-09-01 21:06 J -19935831.91 -19935831.62 -19935831.32 0.0089 0.0015
 Neptune -59293-07-26 19:54 J -19935137.90 -19935137.67 -19935137.41 0.0089 0.0050
 Neptune -59291-06-20 16:18 J -19934443.91 -19934443.82 -19934443.73 0.0089 0.0084
 Saturn -59280-10-09 22:47 J -19930314.69 -19930314.55 -19930314.40 0.0299 0.0249
 Jupiter -59279-04-09 17:16 J -19930133.03 -19930132.78 -19930132.52 0.0500 0.0120
 Uranus -59273-11-03 01:40 J -19927733.74 -19927733.43 -19927733.11 0.0135 0.0047
 Jupiter -59261-04-07 23:16 J -19923559.78 -19923559.53 -19923559.27 0.0526 0.0244
 Saturn -59238-11-27 12:28 J -19914926.19 -19914925.98 -19914925.75 0.0266 0.0185
 Uranus -59229-12-09 09:49 J -19911626.37 -19911626.09 -19911625.80 0.0143 0.0005
 Saturn -59221-01-15 06:42 J -19909033.49 -19909033.22 -19909032.94 0.0297 0.0022
 Neptune -59217-07-21 22:33 J -19907383.79 -19907383.56 -19907383.31 0.0089 0.0059
 Neptune -59215-06-17 08:52 J -19906688.43 -19906688.13 -19906687.79 0.0089 0.0021
 Neptune -59213-05-12 23:59 J -19905992.82 -19905992.50 -19905992.18 0.0089 0.0019
 Neptune -59211-04-08 16:18 J -19905297.05 -19905296.82 -19905296.55 0.0089 0.0059
 Saturn -59207-01-15 11:01 J -19903919.35 -19903919.04 -19903918.73 0.0264 0.0049
 Saturn -59191-03-05 11:30 J -19898026.13 -19898026.02 -19898025.90 0.0299 0.0270
 Uranus -59190-07-25 19:11 J -19897518.93 -19897518.70 -19897518.43 0.0136 0.0091
 Uranus -59188-06-29 08:09 J -19896814.29 -19896814.16 -19896814.00 0.0135 0.0121
 Saturn -59163-04-21 17:01 J -19887751.85 -19887751.79 -19887751.71 0.0294 0.0284
 Jupiter -59161-09-29 17:45 J -19886859.99 -19886859.76 -19886859.52 0.0501 0.0199
 Saturn -59149-04-21 17:16 J -19882638.02 -19882637.78 -19882637.53 0.0266 0.0162
 Uranus -59146-09-03 07:11 J -19881408.30 -19881408.20 -19881408.07 0.0143 0.0129

Uranus -59144-08-04 01:11 J -19880707.69 -19880707.45 -19880707.21 0.0144 0.0078
 Jupiter -59143-09-25 10:33 J -19880290.31 -19880290.06 -19880289.81 0.0525 0.0253
 Neptune -59135-06-28 23:01 J -19877456.72 -19877456.54 -19877456.34 0.0089 0.0069
 Neptune -59133-05-23 05:16 J -19876762.56 -19876762.28 -19876762.00 0.0089 0.0033
 Saturn -59133-06-10 07:11 J -19876744.48 -19876744.20 -19876743.93 0.0297 0.0009
 Neptune -59131-04-17 07:54 J -19876068.47 -19876068.17 -19876067.87 0.0089 0.0003
 Neptune -59129-03-11 07:25 J -19875374.44 -19875374.19 -19875373.90 0.0089 0.0038
 Neptune -59127-02-03 06:28 J -19874680.39 -19874680.23 -19874680.05 0.0089 0.0072
 Jupiter -59125-07-03 23:16 J -19873798.73 -19873798.53 -19873798.31 0.0500 0.0308
 Saturn -59119-06-11 09:06 J -19871630.41 -19871630.12 -19871629.81 0.0265 0.0080
 Jupiter -59107-07-02 16:04 J -19867225.98 -19867225.83 -19867225.66 0.0526 0.0435
 Uranus -59105-03-20 05:16 J -19866599.61 -19866599.28 -19866598.94 0.0135 0.0016
 Saturn -59075-09-16 04:33 J -19855462.45 -19855462.31 -19855462.15 0.0295 0.0246
 Uranus -59061-04-27 22:04 J -19850489.83 -19850489.58 -19850489.31 0.0143 0.0056
 Saturn -59061-09-16 00:28 J -19850348.75 -19850348.48 -19850348.20 0.0267 0.0124
 Neptune -59053-03-05 09:06 J -19847621.29 -19847621.12 -19847620.90 0.0089 0.0071
 Neptune -59051-01-29 18:28 J -19846926.02 -19846925.73 -19846925.42 0.0089 0.0033
 Neptune -59050-12-26 05:45 J -19846230.58 -19846230.26 -19846229.93 0.0089 0.0006
 Neptune -59048-11-20 20:37 J -19845534.91 -19845534.64 -19845534.34 0.0089 0.0045
 Neptune -59046-10-17 14:52 J -19844838.98 -19844838.88 -19844838.78 0.0089 0.0084
 Saturn -59045-11-05 02:52 J -19844454.64 -19844454.38 -19844454.11 0.0296 0.0065
 Pluto -59032-12-05 21:21 J -19839675.89 -19839675.61 -19839675.30 0.0080 0.0020
 Saturn -59031-11-05 11:01 J -19839341.30 -19839341.04 -19839340.75 0.0265 0.0118
 Uranus -59021-11-13 16:04 J -19835680.11 -19835679.83 -19835679.51 0.0135 0.0062
 Jupiter -59007-12-24 07:11 J -19830526.46 -19830526.20 -19830525.94 0.0501 0.0052

59TH MILLENNIUM BCE

This is a list of transits of Mars in the 59th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Jupiter	-58989-12-18 06:42 J		-19823957.50	-19823957.22	-19823956.93	0.0525	0.0109	
Saturn	-58986-02-11 10:33 J		-19823172.27	-19823172.06	-19823171.83	0.0294	0.0182	
Uranus	-58977-12-21 15:35 J		-19819571.12	-19819570.85	-19819570.56	0.0143	0.0020	
Saturn	-58972-02-10 11:45 J		-19818059.30	-19818059.01	-19818058.71	0.0266	0.0082	
Neptune	-58971-02-11 03:49 J		-19817693.45	-19817693.34	-19817693.19	0.0089	0.0080	
Jupiter	-58971-09-27 05:30 J		-19817465.38	-19817465.27	-19817465.14	0.0500	0.0439	
Neptune	-58969-01-06 10:04 J		-19816999.32	-19816999.08	-19816998.80	0.0089	0.0045	
Neptune	-58968-11-30 15:21 J		-19816305.15	-19816304.86	-19816304.55	0.0089	0.0009	
Neptune	-58966-10-25 17:30 J		-19815611.05	-19815610.77	-19815610.47	0.0089	0.0026	
Neptune	-58964-09-18 16:18 J		-19814917.02	-19814916.82	-19814916.58	0.0089	0.0060	
Saturn	-58956-04-02 03:21 J		-19812164.61	-19812164.36	-19812164.10	0.0297	0.0114	
Saturn	-58942-04-02 08:09 J		-19807051.40	-19807051.16	-19807050.91	0.0265	0.0166	
Uranus	-58938-08-05 15:49 J		-19805465.11	-19805464.84	-19805464.56	0.0136	0.0076	
Saturn	-58898-07-09 08:23 J		-19790882.39	-19790882.15	-19790881.89	0.0295	0.0136	
Uranus	-58894-09-15 17:16 J		-19789352.94	-19789352.78	-19789352.60	0.0143	0.0112	
Uranus	-58892-08-16 09:21 J		-19788652.31	-19788652.11	-19788651.89	0.0144	0.0097	
Neptune	-58890-10-18 20:37 J		-19787858.75	-19787858.64	-19787858.51	0.0089	0.0082	
Jupiter	-58888-06-14 12:28 J		-19787254.12	-19787253.98	-19787253.84	0.0502	0.0417	
Neptune	-58888-09-13 03:06 J		-19787163.65	-19787163.37	-19787163.09	0.0089	0.0045	
Neptune	-58886-08-09 12:42 J		-19786468.29	-19786467.97	-19786467.64	0.0089	0.0008	
Neptune	-58884-07-05 00:42 J		-19785772.77	-19785772.47	-19785772.15	0.0089	0.0031	
Saturn	-58884-07-08 10:47 J		-19785769.36	-19785769.05	-19785768.74	0.0266	0.0033	

Neptune -58882-05-31 15:35 J -19785077.02 -19785076.85 -19785076.62 0.0089 0.0070
 Pluto -58873-09-22 08:52 J -19781675.34 -19781675.13 -19781674.85 0.0064 0.0043
 Saturn -58868-08-28 08:37 J -19779874.35 -19779874.14 -19779873.91 0.0297 0.0178
 Saturn -58854-08-28 03:06 J -19774761.56 -19774761.37 -19774761.18 0.0264 0.0210
 Uranus -58853-03-31 10:04 J -19774545.42 -19774545.08 -19774544.74 0.0135 0.0005
 Jupiter -58852-03-18 09:21 J -19774193.36 -19774193.11 -19774192.85 0.0501 0.0075
 Jupiter -58834-03-13 15:49 J -19767624.13 -19767623.84 -19767623.56 0.0525 0.0077
 Saturn -58826-10-14 17:30 J -19764486.91 -19764486.77 -19764486.61 0.0267 0.0233
 Saturn -58810-12-04 07:40 J -19758592.45 -19758592.18 -19758591.91 0.0295 0.0079
 Uranus -58809-05-10 04:47 J -19758434.56 -19758434.30 -19758434.02 0.0143 0.0039
 Neptune -58806-08-21 14:52 J -19757236.10 -19757235.88 -19757235.62 0.0089 0.0056
 Neptune -58804-07-15 20:52 J -19756541.92 -19756541.63 -19756541.33 0.0089 0.0021
 Neptune -58802-06-10 00:57 J -19755847.75 -19755847.46 -19755847.15 0.0089 0.0014
 Neptune -58800-05-04 03:21 J -19755153.60 -19755153.36 -19755153.09 0.0089 0.0048
 Neptune -58798-03-29 01:11 J -19754459.53 -19754459.45 -19754459.30 0.0089 0.0082
 Saturn -58796-12-03 04:18 J -19753479.62 -19753479.32 -19753479.01 0.0266 0.0009
 Saturn -58779-01-22 12:42 J -19747585.16 -19747584.97 -19747584.77 0.0298 0.0210
 Uranus -58771-12-21 07:54 J -19744330.21 -19744330.17 -19744330.07 0.0136 0.0133
 Uranus -58769-11-25 03:21 J -19743625.62 -19743625.36 -19743625.09 0.0135 0.0085
 Saturn -58765-01-22 15:21 J -19742471.93 -19742471.86 -19742471.74 0.0264 0.0252
 Saturn -58737-03-10 06:28 J -19732197.43 -19732197.23 -19732197.03 0.0267 0.0199
 Jupiter -58734-09-07 23:45 J -19730920.72 -19730920.51 -19730920.28 0.0502 0.0266
 Uranus -58724-01-02 15:35 J -19727516.13 -19727515.85 -19727515.58 0.0143 0.0035
 Neptune -58724-04-27 12:42 J -19727401.21 -19727400.97 -19727400.72 0.0089 0.0057
 Neptune -58722-03-23 19:25 J -19726706.01 -19726705.69 -19726705.38 0.0089 0.0020
 Saturn -58721-04-28 22:18 J -19726303.84 -19726303.57 -19726303.30 0.0296 0.0059
 Neptune -58720-02-16 05:30 J -19726010.58 -19726010.27 -19726009.93 0.0089 0.0018
 Neptune -58718-01-12 17:59 J -19725314.97 -19725314.75 -19725314.46 0.0089 0.0056
 Jupiter -58716-08-29 14:37 J -19724355.05 -19724354.89 -19724354.72 0.0524 0.0433
 Saturn -58707-04-29 06:42 J -19721190.52 -19721190.22 -19721189.91 0.0265 0.0042

Jupiter -58698-06-12 01:54 J -19717859.65 -19717859.42 -19717859.19 0.0501 0.0235
 Saturn -58691-06-18 11:30 J -19715296.17 -19715296.02 -19715295.86 0.0298 0.0245
 Uranus -58686-08-17 01:11 J -19713410.76 -19713410.45 -19713410.13 0.0136 0.0052
 Jupiter -58680-06-06 09:06 J -19711290.36 -19711290.12 -19711289.88 0.0526 0.0288
 Saturn -58649-08-03 21:06 J -19699908.85 -19699908.62 -19699908.38 0.0267 0.0172
 Neptune -58642-04-05 15:49 J -19697473.03 -19697472.84 -19697472.63 0.0088 0.0067
 Uranus -58642-09-27 11:45 J -19697298.19 -19697298.01 -19697297.80 0.0143 0.0101
 Neptune -58640-02-28 00:42 J -19696778.75 -19696778.47 -19696778.18 0.0089 0.0032
 Uranus -58640-08-28 04:04 J -19696597.50 -19696597.33 -19696597.13 0.0144 0.0110
 Neptune -58638-01-23 05:45 J -19696084.56 -19696084.26 -19696083.96 0.0089 0.0002
 Neptune -58637-12-17 08:37 J -19695390.40 -19695390.14 -19695389.85 0.0089 0.0036
 Neptune -58635-11-11 10:47 J -19694696.23 -19694696.05 -19694695.86 0.0089 0.0069
 Saturn -58633-09-22 07:54 J -19694015.45 -19694015.17 -19694014.89 0.0296 0.0036
 Saturn -58619-09-23 01:11 J -19688901.74 -19688901.45 -19688901.14 0.0265 0.0064
 Saturn -58603-11-11 01:25 J -19683008.60 -19683008.44 -19683008.29 0.0298 0.0245
 Uranus -58601-04-11 14:37 J -19682491.21 -19682490.89 -19682490.55 0.0135 0.0027
 Jupiter -58580-12-02 05:16 J -19674586.53 -19674586.28 -19674586.02 0.0502 0.0076
 Jupiter -58562-11-24 00:28 J -19668020.75 -19668020.48 -19668020.20 0.0525 0.0184
 Neptune -58561-12-09 23:16 J -19667638.70 -19667638.53 -19667638.30 0.0089 0.0069
 Saturn -58561-12-28 06:13 J -19667620.48 -19667620.24 -19667619.99 0.0268 0.0158
 Neptune -58559-11-05 03:06 J -19666943.65 -19666943.37 -19666943.05 0.0089 0.0033
 Uranus -58557-05-22 02:23 J -19666379.68 -19666379.40 -19666379.12 0.0143 0.0026
 Neptune -58557-09-30 10:33 J -19666248.38 -19666248.06 -19666247.73 0.0089 0.0004
 Neptune -58555-08-26 21:35 J -19665552.89 -19665552.60 -19665552.31 0.0089 0.0041
 Neptune -58553-07-22 10:47 J -19664857.18 -19664857.05 -19664856.88 0.0089 0.0079
 Saturn -58544-02-14 13:25 J -19661728.21 -19661727.94 -19661727.65 0.0295 0.0042
 Jupiter -58544-09-05 11:30 J -19661525.15 -19661525.02 -19661524.89 0.0500 0.0433
 Pluto -58537-08-04 09:49 J -19659000.39 -19659000.09 -19658999.79 0.0080 0.0018
 Saturn -58530-02-15 17:59 J -19656614.04 -19656613.75 -19656613.45 0.0266 0.0077
 Uranus -58518-01-01 05:01 J -19652276.43 -19652276.29 -19652276.08 0.0136 0.0118

Uranus -58517-12-06 03:49 J -19651571.54 -19651571.34 -19651571.11 0.0135 0.0105
 Saturn -58514-04-05 18:28 J -19650720.86 -19650720.73 -19650720.58 0.0297 0.0254
 Neptune -58479-11-18 12:57 J -19637710.09 -19637709.96 -19637709.80 0.0088 0.0078
 Neptune -58477-10-12 23:30 J -19637015.76 -19637015.52 -19637015.23 0.0088 0.0044
 Neptune -58475-09-07 08:23 J -19636321.44 -19636321.15 -19636320.84 0.0089 0.0010
 Neptune -58473-08-01 12:57 J -19635627.24 -19635626.96 -19635626.66 0.0089 0.0025
 Uranus -58472-01-14 19:11 J -19635460.95 -19635460.70 -19635460.43 0.0143 0.0051
 Saturn -58472-05-22 14:23 J -19635333.14 -19635332.90 -19635332.64 0.0268 0.0150
 Neptune -58471-06-26 15:35 J -19634933.08 -19634932.85 -19634932.62 0.0089 0.0057
 Jupiter -58461-05-24 19:25 J -19631312.86 -19631312.69 -19631312.51 0.0503 0.0365
 Saturn -58456-07-10 03:06 J -19629440.65 -19629440.37 -19629440.09 0.0295 0.0036
 Saturn -58442-07-11 15:06 J -19624326.16 -19624325.87 -19624325.57 0.0266 0.0086
 Uranus -58434-08-28 02:52 J -19621356.71 -19621356.38 -19621356.06 0.0136 0.0034
 Saturn -58426-08-28 22:18 J -19618433.71 -19618433.57 -19618433.42 0.0297 0.0250
 Jupiter -58425-02-27 00:57 J -19618251.71 -19618251.46 -19618251.21 0.0501 0.0144
 Jupiter -58407-02-18 11:30 J -19611685.30 -19611685.02 -19611684.73 0.0525 0.0119
 Neptune -58397-07-24 09:06 J -19607876.25 -19607876.12 -19607875.97 0.0089 0.0079
 Neptune -58395-06-19 11:01 J -19607181.29 -19607181.04 -19607180.74 0.0089 0.0045
 Neptune -58393-05-14 16:04 J -19606486.15 -19606485.83 -19606485.51 0.0089 0.0009
 Neptune -58391-04-09 22:47 J -19605790.84 -19605790.55 -19605790.22 0.0089 0.0028
 Uranus -58390-10-10 00:57 J -19605242.67 -19605242.46 -19605242.21 0.0143 0.0082
 Neptune -58389-03-05 10:33 J -19605095.28 -19605095.06 -19605094.83 0.0089 0.0064
 Uranus -58388-09-09 15:35 J -19604541.93 -19604541.85 -19604541.71 0.0144 0.0132
 Saturn -58384-10-15 10:04 J -19603045.33 -19603045.08 -19603044.82 0.0269 0.0140
 Pluto -58378-05-22 08:09 J -19601000.24 -19601000.16 -19600999.99 0.0064 0.0060
 Saturn -58368-12-02 14:23 J -19597153.18 -19597152.90 -19597152.62 0.0294 0.0030
 Saturn -58354-12-03 22:18 J -19592038.85 -19592038.57 -19592038.27 0.0267 0.0097
 Uranus -58349-04-23 00:57 J -19590436.76 -19590436.46 -19590436.13 0.0135 0.0050
 Saturn -58337-01-21 20:09 J -19586145.77 -19586145.66 -19586145.52 0.0296 0.0262
 Neptune -58313-05-27 19:54 J -19577252.90 -19577252.67 -19577252.41 0.0088 0.0055

Neptune -58311-04-22 06:13 J -19576558.53 -19576558.24 -19576557.94 0.0088 0.0021
 Neptune -58309-03-16 14:37 J -19575864.19 -19575863.89 -19575863.59 0.0089 0.0013
 Neptune -58307-02-08 18:57 J -19575169.95 -19575169.71 -19575169.44 0.0089 0.0046
 Jupiter -58307-08-19 13:25 J -19574978.19 -19574977.94 -19574977.70 0.0502 0.0153
 Neptune -58305-01-03 20:23 J -19574475.76 -19574475.65 -19574475.48 0.0089 0.0078
 Uranus -58305-06-03 17:16 J -19574324.06 -19574323.78 -19574323.50 0.0143 0.0005
 Saturn -58295-03-09 22:18 J -19570757.82 -19570757.57 -19570757.29 0.0269 0.0127
 Jupiter -58289-08-06 21:06 J -19568415.81 -19568415.62 -19568415.40 0.0524 0.0369
 Saturn -58279-04-27 21:06 J -19564864.90 -19564864.62 -19564864.34 0.0294 0.0012
 Jupiter -58271-05-23 15:06 J -19561917.05 -19561916.87 -19561916.68 0.0501 0.0348
 Uranus -58266-01-13 03:06 J -19560221.60 -19560221.37 -19560221.09 0.0136 0.0088
 Saturn -58265-04-28 05:16 J -19559750.55 -19559750.28 -19559750.00 0.0267 0.0118
 Uranus -58265-12-18 01:40 J -19559516.44 -19559516.43 -19559516.36 0.0135 0.0134
 Jupiter -58253-05-14 17:16 J -19555350.99 -19555350.78 -19555350.56 0.0526 0.0345
 Saturn -58249-06-16 06:28 J -19553857.28 -19553857.23 -19553857.16 0.0296 0.0288
 Neptune -58231-01-31 18:57 J -19547418.93 -19547418.71 -19547418.44 0.0089 0.0056
 Neptune -58230-12-27 22:04 J -19546723.88 -19546723.58 -19546723.26 0.0089 0.0021
 Neptune -58228-11-22 04:04 J -19546028.65 -19546028.33 -19546028.01 0.0089 0.0014
 Neptune -58226-10-18 11:16 J -19545333.29 -19545333.03 -19545332.75 0.0089 0.0050
 Neptune -58224-09-12 22:04 J -19544637.61 -19544637.58 -19544637.46 0.0089 0.0087
 Uranus -58222-02-26 22:04 J -19544105.64 -19544105.58 -19544105.49 0.0142 0.0137
 Saturn -58221-08-02 01:25 J -19543583.52 -19543583.44 -19543583.34 0.0291 0.0275
 Uranus -58220-01-27 08:37 J -19543405.36 -19543405.14 -19543404.88 0.0143 0.0075
 Saturn -58207-08-03 14:37 J -19538469.16 -19538468.89 -19538468.60 0.0269 0.0099
 Saturn -58191-09-21 22:33 J -19532575.83 -19532575.56 -19532575.28 0.0293 0.0031
 Jupiter -58188-02-08 16:33 J -19531704.90 -19531704.81 -19531704.72 0.0503 0.0471
 Uranus -58182-09-09 06:13 J -19529301.58 -19529301.24 -19529300.90 0.0136 0.0002
 Saturn -58177-09-21 15:06 J -19527462.11 -19527461.87 -19527461.60 0.0267 0.0147
 Jupiter -58153-11-12 12:57 J -19518644.22 -19518643.96 -19518643.70 0.0502 0.0015
 Neptune -58149-01-10 12:13 J -19517490.16 -19517489.99 -19517489.75 0.0088 0.0067

Neptune -58148-12-05 01:11 J -19516795.71 -19516795.45 -19516795.14 0.0089 0.0033
 Neptune -58146-10-30 10:33 J -19516101.36 -19516101.06 -19516100.75 0.0089 0.0001
 Neptune -58144-09-23 17:45 J -19515407.02 -19515406.76 -19515406.46 0.0089 0.0034
 Neptune -58142-08-18 22:18 J -19514712.75 -19514712.57 -19514712.35 0.0089 0.0066
 Uranus -58138-10-22 08:09 J -19513187.40 -19513187.16 -19513186.90 0.0143 0.0063
 Jupiter -58135-10-31 04:33 J -19512082.58 -19512082.31 -19512082.04 0.0524 0.0194
 Saturn -58133-12-27 18:28 J -19511293.90 -19511293.73 -19511293.53 0.0291 0.0220
 Pluto -58130-08-31 05:30 J -19510317.49 -19510317.27 -19510317.00 0.0064 0.0043
 Saturn -58119-12-28 13:40 J -19506180.23 -19506179.93 -19506179.64 0.0269 0.0064
 Jupiter -58117-08-16 07:40 J -19505583.20 -19505583.18 -19505583.17 0.0500 0.0499
 Saturn -58102-02-16 14:23 J -19500286.17 -19500285.90 -19500285.63 0.0294 0.0074
 Uranus -58097-05-05 05:16 J -19498381.53 -19498381.28 -19498381.00 0.0135 0.0085
 Saturn -58088-02-16 04:47 J -19495172.51 -19495172.30 -19495172.08 0.0267 0.0191
 Neptune -58068-09-15 03:49 J -19487656.52 -19487656.34 -19487656.11 0.0089 0.0067
 Neptune -58066-08-11 03:35 J -19486961.64 -19486961.35 -19486961.05 0.0089 0.0033
 Neptune -58064-07-06 06:28 J -19486266.55 -19486266.23 -19486265.91 0.0089 0.0002
 Neptune -58062-06-01 12:28 J -19485571.25 -19485570.98 -19485570.66 0.0089 0.0037
 Saturn -58060-04-04 23:45 J -19484897.51 -19484897.51 -19484897.49 0.0271 0.0271
 Neptune -58060-04-26 20:37 J -19484875.80 -19484875.64 -19484875.42 0.0089 0.0072
 Uranus -58053-06-15 23:30 J -19482268.80 -19482268.52 -19482268.24 0.0143 0.0015
 Saturn -58044-05-24 15:21 J -19479004.08 -19479003.86 -19479003.62 0.0292 0.0175
 Jupiter -58034-05-05 01:40 J -19475371.61 -19475371.43 -19475371.23 0.0503 0.0340
 Saturn -58030-05-25 10:04 J -19473890.38 -19473890.08 -19473889.77 0.0269 0.0016
 Uranus -58014-01-24 23:45 J -19468166.80 -19468166.51 -19468166.19 0.0136 0.0058
 Saturn -58014-07-14 22:18 J -19467995.80 -19467995.57 -19467995.31 0.0294 0.0141

58TH MILLENNIUM BCE

This is a list of transits of Mars in the 58th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Saturn	-58000-07-13 21:06 J		-19462882.75	-19462882.62	-19462882.46	0.0267	0.0234	
Jupiter	-57998-02-05 17:45 J		-19462311.01	-19462310.76	-19462310.52	0.0501	0.0143	
Neptune	-57986-08-25 00:57 J		-19457727.58	-19457727.46	-19457727.28	0.0088	0.0078	
Neptune	-57984-07-19 16:18 J		-19457033.08	-19457032.82	-19457032.55	0.0089	0.0044	
Neptune	-57982-06-14 05:01 J		-19456338.59	-19456338.29	-19456337.98	0.0089	0.0011	
Jupiter	-57980-01-23 12:28 J		-19455749.27	-19455748.98	-19455748.68	0.0524	0.0011	
Neptune	-57980-05-08 13:54 J		-19455644.21	-19455643.92	-19455643.62	0.0089	0.0022	
Neptune	-57978-04-02 20:37 J		-19454949.87	-19454949.64	-19454949.39	0.0089	0.0054	
Neptune	-57976-02-25 01:11 J		-19454255.52	-19454255.45	-19454255.36	0.0089	0.0085	
Saturn	-57972-08-30 23:16 J		-19452607.69	-19452607.53	-19452607.34	0.0271	0.0221	
Uranus	-57970-03-11 05:45 J		-19452050.39	-19452050.26	-19452050.09	0.0142	0.0119	
Uranus	-57968-02-08 16:33 J		-19451350.01	-19451349.81	-19451349.58	0.0143	0.0094	
Saturn	-57956-10-20 00:13 J		-19446713.75	-19446713.49	-19446713.22	0.0292	0.0110	
Saturn	-57942-10-20 07:11 J		-19441600.50	-19441600.20	-19441599.89	0.0269	0.0028	
Uranus	-57930-09-21 00:13 J		-19437246.82	-19437246.49	-19437246.15	0.0136	0.0028	
Saturn	-57926-12-09 15:35 J		-19435706.07	-19435705.85	-19435705.63	0.0295	0.0184	
Neptune	-57904-04-29 13:40 J		-19427894.08	-19427893.93	-19427893.77	0.0089	0.0077	
Neptune	-57902-03-25 10:33 J		-19427199.31	-19427199.06	-19427198.76	0.0089	0.0045	
Neptune	-57900-02-17 11:01 J		-19426504.35	-19426504.04	-19426503.71	0.0089	0.0011	
Neptune	-57898-01-13 13:54 J		-19425809.22	-19425808.92	-19425808.60	0.0089	0.0024	
Neptune	-57897-12-08 20:52 J		-19425113.86	-19425113.63	-19425113.37	0.0089	0.0058	
Uranus	-57886-11-04 02:23 J		-19421131.66	-19421131.40	-19421131.12	0.0143	0.0040	

Saturn -57883-01-25 20:09 J -19420317.87 -19420317.66 -19420317.43 0.0271 0.0181
 Jupiter -57880-07-28 07:25 J -19419038.42 -19419038.19 -19419037.96 0.0503 0.0206
 Saturn -57867-03-16 06:42 J -19414424.50 -19414424.22 -19414423.95 0.0292 0.0077
 Saturn -57853-03-15 21:21 J -19409310.89 -19409310.61 -19409310.30 0.0268 0.0073
 Uranus -57847-06-11 20:23 J -19407031.80 -19407031.65 -19407031.43 0.0137 0.0116
 Uranus -57845-05-17 01:40 J -19406326.60 -19406326.43 -19406326.24 0.0136 0.0114
 Jupiter -57844-05-01 02:09 J -19405977.62 -19405977.41 -19405977.19 0.0502 0.0280
 Saturn -57837-05-05 08:52 J -19403416.30 -19403416.13 -19403415.96 0.0295 0.0234
 Jupiter -57826-04-18 15:06 J -19399416.15 -19399415.87 -19399415.59 0.0524 0.0171
 Neptune -57822-04-08 11:16 J -19397965.03 -19397965.03 -19397964.98 0.0088 0.0088
 Neptune -57820-03-03 03:35 J -19397270.56 -19397270.35 -19397270.08 0.0089 0.0056
 Neptune -57818-01-26 17:45 J -19396576.05 -19396575.76 -19396575.45 0.0089 0.0023
 Neptune -57817-12-21 05:59 J -19395881.55 -19395881.25 -19395880.94 0.0089 0.0010
 Neptune -57815-11-15 14:23 J -19395187.15 -19395186.90 -19395186.62 0.0089 0.0042
 Neptune -57813-10-09 20:09 J -19394492.81 -19394492.66 -19394492.47 0.0089 0.0073
 Uranus -57801-06-28 22:04 J -19390212.85 -19390212.58 -19390212.31 0.0143 0.0041
 Saturn -57795-06-22 00:13 J -19388028.73 -19388028.49 -19388028.22 0.0270 0.0144
 Pluto -57794-07-12 19:11 J -19387642.77 -19387642.70 -19387642.53 0.0080 0.0074
 Saturn -57779-08-10 09:49 J -19382135.37 -19382135.09 -19382134.80 0.0292 0.0039
 Saturn -57765-08-10 04:18 J -19377021.59 -19377021.32 -19377021.03 0.0268 0.0102
 Uranus -57762-02-06 05:59 J -19376111.57 -19376111.25 -19376110.90 0.0136 0.0024
 Saturn -57749-09-28 13:11 J -19371128.09 -19371127.95 -19371127.79 0.0295 0.0248
 Neptune -57741-12-11 23:45 J -19368131.52 -19368131.51 -19368131.42 0.0089 0.0088
 Neptune -57739-11-06 17:59 J -19367436.96 -19367436.75 -19367436.47 0.0089 0.0056
 Neptune -57737-10-01 16:18 J -19366742.11 -19366741.82 -19366741.50 0.0089 0.0023
 Neptune -57735-08-27 17:30 J -19366047.08 -19366046.77 -19366046.45 0.0089 0.0011
 Neptune -57733-07-22 20:09 J -19365351.91 -19365351.66 -19365351.36 0.0089 0.0045
 Neptune -57731-06-18 03:06 J -19364656.49 -19364656.37 -19364656.19 0.0089 0.0079
 Jupiter -57726-10-22 02:52 J -19362704.63 -19362704.38 -19362704.12 0.0503 0.0044
 Uranus -57718-03-24 10:33 J -19359994.27 -19359994.06 -19359993.84 0.0142 0.0089

Uranus -57716-02-21 19:25 J -19359293.80 -19359293.69 -19359293.53 0.0143 0.0125
 Jupiter -57708-10-04 09:49 J -19356147.31 -19356147.09 -19356146.86 0.0523 0.0339
 Saturn -57707-11-15 22:04 J -19355739.84 -19355739.58 -19355739.31 0.0270 0.0121
 Saturn -57690-01-03 02:37 J -19349847.67 -19349847.39 -19349847.11 0.0292 0.0034
 Jupiter -57690-07-26 01:54 J -19349643.52 -19349643.42 -19349643.30 0.0501 0.0451
 Uranus -57678-10-03 15:06 J -19345191.16 -19345190.87 -19345190.57 0.0136 0.0067
 Saturn -57676-01-03 09:49 J -19344733.36 -19344733.09 -19344732.82 0.0268 0.0123
 Jupiter -57672-07-13 05:16 J -19343081.45 -19343081.28 -19343081.11 0.0524 0.0426
 Saturn -57660-02-21 17:01 J -19338839.89 -19338839.79 -19338839.66 0.0295 0.0266
 Neptune -57657-10-15 12:28 J -19337508.16 -19337507.98 -19337507.75 0.0088 0.0067
 Neptune -57655-09-10 05:16 J -19336813.56 -19336813.28 -19336812.99 0.0089 0.0034
 Neptune -57653-08-04 18:28 J -19336119.04 -19336118.73 -19336118.42 0.0089 0.0002
 Neptune -57651-06-30 05:30 J -19335424.54 -19335424.27 -19335423.96 0.0089 0.0030
 Neptune -57649-05-24 14:23 J -19334730.10 -19334729.90 -19334729.66 0.0089 0.0061
 Pluto -57635-04-28 00:57 J -19329643.61 -19329643.46 -19329643.22 0.0064 0.0051
 Uranus -57634-11-17 00:28 J -19329075.75 -19329075.48 -19329075.20 0.0143 0.0011
 Saturn -57618-04-10 16:18 J -19323452.09 -19323451.82 -19323451.54 0.0271 0.0107
 Jupiter -57607-04-13 16:33 J -19319430.99 -19319430.81 -19319430.62 0.0504 0.0341
 Saturn -57602-05-28 21:49 J -19317559.87 -19317559.59 -19317559.30 0.0292 0.0025
 Uranus -57595-06-24 16:33 J -19314976.10 -19314975.81 -19314975.52 0.0137 0.0072
 Saturn -57588-05-29 14:52 J -19312445.14 -19312444.88 -19312444.62 0.0269 0.0138
 Neptune -57575-06-21 04:47 J -19307674.49 -19307674.30 -19307674.08 0.0089 0.0066
 Neptune -57573-05-15 23:01 J -19306979.82 -19306979.54 -19306979.24 0.0089 0.0034
 Saturn -57572-07-16 21:06 J -19306552.73 -19306552.62 -19306552.48 0.0294 0.0263
 Jupiter -57571-01-15 17:45 J -19306370.00 -19306369.76 -19306369.52 0.0502 0.0160
 Neptune -57571-04-10 21:06 J -19306284.94 -19306284.62 -19306284.30 0.0089 0.0002
 Neptune -57569-03-05 22:04 J -19305589.86 -19305589.58 -19305589.26 0.0089 0.0032
 Neptune -57567-01-30 02:09 J -19304894.62 -19304894.41 -19304894.18 0.0089 0.0065
 Jupiter -57554-12-30 19:11 J -19299812.00 -19299811.70 -19299811.41 0.0523 0.0042
 Uranus -57549-07-11 18:42 J -19298156.96 -19298156.72 -19298156.48 0.0143 0.0069

Saturn -57530-09-03 16:04 J -19291164.10 -19291163.83 -19291163.54 0.0271 0.0095
 Saturn -57514-10-21 04:04 J -19285272.61 -19285272.33 -19285272.04 0.0291 0.0021
 Uranus -57510-02-18 21:21 J -19284055.94 -19284055.61 -19284055.26 0.0136 0.0018
 Saturn -57500-10-21 22:33 J -19280157.81 -19280157.56 -19280157.30 0.0269 0.0147
 Neptune -57493-05-29 16:04 J -19277745.97 -19277745.83 -19277745.68 0.0088 0.0078
 Neptune -57491-04-24 12:13 J -19277051.25 -19277050.99 -19277050.71 0.0088 0.0046
 Neptune -57489-03-19 04:47 J -19276356.60 -19276356.30 -19276355.99 0.0089 0.0014
 Neptune -57487-02-11 17:16 J -19275662.07 -19275661.78 -19275661.47 0.0089 0.0018
 Neptune -57485-01-07 03:49 J -19274967.58 -19274967.34 -19274967.07 0.0089 0.0049
 Neptune -57484-12-01 12:42 J -19274273.09 -19274272.97 -19274272.82 0.0089 0.0079
 Saturn -57484-12-09 13:25 J -19274265.04 -19274264.94 -19274264.82 0.0294 0.0270
 Uranus -57466-04-06 02:23 J -19267938.63 -19267938.40 -19267938.14 0.0142 0.0065
 Jupiter -57453-07-08 14:09 J -19263096.16 -19263095.91 -19263095.67 0.0503 0.0125
 Saturn -57441-01-26 23:45 J -19258876.79 -19258876.51 -19258876.22 0.0272 0.0087
 Uranus -57428-11-09 11:01 J -19253841.13 -19253841.04 -19253840.93 0.0137 0.0130
 Uranus -57426-10-15 22:33 J -19253135.74 -19253135.56 -19253135.31 0.0136 0.0106
 Saturn -57425-03-15 00:57 J -19252984.75 -19252984.46 -19252984.18 0.0291 0.0011
 Jupiter -57417-04-11 12:57 J -19250035.13 -19250034.96 -19250034.79 0.0502 0.0371
 Neptune -57411-02-02 14:37 J -19247912.02 -19247911.89 -19247911.70 0.0089 0.0076
 Saturn -57411-03-16 22:18 J -19247869.79 -19247869.57 -19247869.31 0.0270 0.0164
 Neptune -57410-12-29 08:37 J -19247217.39 -19247217.14 -19247216.85 0.0089 0.0045
 Neptune -57408-11-23 03:21 J -19246522.66 -19246522.36 -19246522.03 0.0089 0.0014
 Neptune -57406-10-19 01:54 J -19245827.73 -19245827.42 -19245827.11 0.0089 0.0019
 Neptune -57404-09-13 03:35 J -19245132.60 -19245132.35 -19245132.08 0.0089 0.0052
 Neptune -57402-08-09 07:40 J -19244437.24 -19244437.18 -19244437.06 0.0089 0.0085
 Jupiter -57399-03-26 11:01 J -19243477.31 -19243477.04 -19243476.77 0.0524 0.0209
 Saturn -57395-05-04 09:21 J -19241977.15 -19241977.11 -19241977.03 0.0293 0.0286
 Pluto -57387-08-06 08:37 J -19238961.44 -19238961.14 -19238960.82 0.0064 0.0013
 Uranus -57382-11-29 23:45 J -19237019.78 -19237019.51 -19237019.23 0.0142 0.0017
 Saturn -57367-06-19 13:11 J -19231703.98 -19231703.95 -19231703.89 0.0288 0.0284

Saturn -57353-06-21 04:04 J -19226588.61 -19226588.33 -19226588.03 0.0272 0.0067
 Uranus -57343-07-06 17:59 J -19222921.06 -19222920.75 -19222920.41 0.0137 0.0040
 Saturn -57337-08-08 10:18 J -19220696.35 -19220696.07 -19220695.78 0.0290 0.0020
 Jupiter -57335-12-30 04:47 J -19219822.43 -19219822.30 -19219822.16 0.0504 0.0423
 Neptune -57328-12-06 15:21 J -19217289.07 -19217288.86 -19217288.59 0.0088 0.0058
 Neptune -57326-11-01 11:01 J -19216594.33 -19216594.04 -19216593.73 0.0088 0.0026
 Neptune -57324-09-26 03:21 J -19215899.67 -19215899.36 -19215899.05 0.0089 0.0006
 Saturn -57323-08-09 17:01 J -19215582.00 -19215581.79 -19215581.55 0.0270 0.0180
 Neptune -57322-08-21 15:21 J -19215205.13 -19215204.86 -19215204.56 0.0089 0.0037
 Neptune -57320-07-16 01:11 J -19214510.63 -19214510.45 -19214510.23 0.0089 0.0067
 Uranus -57299-08-24 16:04 J -19206800.98 -19206800.83 -19206800.65 0.0142 0.0113
 Jupiter -57299-10-02 23:45 J -19206761.76 -19206761.51 -19206761.25 0.0503 0.0062
 Uranus -57297-07-24 20:37 J -19206100.81 -19206100.64 -19206100.42 0.0143 0.0101
 Jupiter -57281-09-10 23:45 J -19200208.75 -19200208.51 -19200208.27 0.0523 0.0317
 Saturn -57279-11-13 14:23 J -19199415.06 -19199414.90 -19199414.74 0.0287 0.0239
 Saturn -57265-11-14 09:06 J -19194300.41 -19194300.12 -19194299.82 0.0272 0.0045
 Uranus -57258-03-03 02:23 J -19192000.70 -19192000.40 -19192000.07 0.0136 0.0053
 Saturn -57248-01-02 11:45 J -19188407.29 -19188407.01 -19188406.72 0.0290 0.0053
 Neptune -57248-09-17 04:04 J -19188149.41 -19188149.33 -19188149.24 0.0089 0.0085
 Neptune -57246-08-12 17:45 J -19187454.99 -19187454.76 -19187454.51 0.0089 0.0055
 Jupiter -57245-06-19 19:40 J -19187142.83 -19187142.68 -19187142.52 0.0524 0.0446
 Neptune -57244-07-07 11:30 J -19186760.31 -19186760.02 -19186759.70 0.0089 0.0025
 Neptune -57242-06-02 07:11 J -19186065.51 -19186065.20 -19186064.88 0.0089 0.0007
 Neptune -57240-04-27 05:16 J -19185370.56 -19185370.28 -19185369.98 0.0089 0.0039
 Neptune -57238-03-23 06:57 J -19184675.36 -19184675.21 -19184674.98 0.0089 0.0072
 Saturn -57234-01-03 15:35 J -19183293.03 -19183292.85 -19183292.67 0.0270 0.0216
 Uranus -57214-04-19 13:54 J -19175882.19 -19175881.92 -19175881.64 0.0142 0.0030
 Saturn -57206-02-20 12:57 J -19173018.02 -19173017.96 -19173017.87 0.0275 0.0266
 Saturn -57190-04-10 00:57 J -19167125.67 -19167125.46 -19167125.25 0.0288 0.0201
 Jupiter -57180-03-24 23:45 J -19163488.72 -19163488.51 -19163488.29 0.0504 0.0273

Saturn -57176-04-10 17:01 J -19162011.09 -19162010.79 -19162010.49 0.0272 0.0004
 Uranus -57176-11-22 00:28 J -19161785.71 -19161785.48 -19161785.20 0.0137 0.0092
 Neptune -57164-07-20 17:30 J -19157526.95 -19157526.77 -19157526.55 0.0088 0.0069
 Neptune -57162-06-15 14:52 J -19156832.16 -19156831.88 -19156831.59 0.0088 0.0037
 Neptune -57160-05-10 09:35 J -19156137.41 -19156137.10 -19156136.79 0.0088 0.0006
 Saturn -57160-05-30 11:45 J -19156117.27 -19156117.01 -19156116.74 0.0290 0.0114
 Neptune -57158-04-05 02:09 J -19155442.71 -19155442.41 -19155442.11 0.0089 0.0025
 Neptune -57156-02-27 14:09 J -19154748.15 -19154747.91 -19154747.66 0.0089 0.0055
 Neptune -57154-01-22 22:33 J -19154053.61 -19154053.56 -19154053.42 0.0089 0.0085
 Saturn -57146-05-30 19:11 J -19151003.79 -19151003.70 -19151003.58 0.0270 0.0252
 Jupiter -57145-12-26 13:25 J -19150428.17 -19150427.94 -19150427.71 0.0502 0.0206
 Pluto -57139-11-14 08:23 J -19148279.29 -19148279.15 -19148279.00 0.0064 0.0057
 Uranus -57130-12-13 08:09 J -19144963.42 -19144963.16 -19144962.90 0.0142 0.0053
 Jupiter -57127-12-05 15:35 J -19143875.14 -19143874.85 -19143874.55 0.0522 0.0114
 Saturn -57118-07-18 06:13 J -19140728.41 -19140728.24 -19140728.05 0.0274 0.0218
 Saturn -57102-09-05 07:54 J -19134835.42 -19134835.17 -19134834.91 0.0288 0.0137
 Uranus -57091-07-19 13:25 J -19130865.28 -19130864.94 -19130864.60 0.0137 0.0004
 Saturn -57088-09-05 08:23 J -19129721.44 -19129721.15 -19129720.85 0.0272 0.0039
 Neptune -57082-03-27 06:13 J -19127692.43 -19127692.24 -19127692.01 0.0089 0.0065
 Neptune -57080-02-18 20:23 J -19126997.92 -19126997.65 -19126997.35 0.0089 0.0035
 Neptune -57078-01-14 15:21 J -19126303.17 -19126302.86 -19126302.55 0.0089 0.0004
 Neptune -57077-12-09 11:30 J -19125608.30 -19125608.02 -19125607.70 0.0089 0.0027
 Neptune -57075-11-04 09:49 J -19124913.30 -19124913.09 -19124912.82 0.0089 0.0059
 Saturn -57072-10-25 07:11 J -19123827.43 -19123827.20 -19123826.95 0.0291 0.0160
 Uranus -57047-09-06 22:47 J -19114744.77 -19114744.55 -19114744.31 0.0142 0.0080
 Uranus -57045-08-07 02:52 J -19114044.44 -19114044.38 -19114044.27 0.0143 0.0136
 Saturn -57030-12-13 05:16 J -19108438.50 -19108438.28 -19108438.05 0.0274 0.0175
 Jupiter -57026-06-18 05:59 J -19107155.49 -19107155.25 -19107155.01 0.0504 0.0144
 Saturn -57013-01-30 23:59 J -19102545.77 -19102545.50 -19102545.22 0.0289 0.0095
 Uranus -57006-03-15 22:47 J -19099944.76 -19099944.55 -19099944.29 0.0136 0.0099

57TH MILLENNIUM BCE

This is a list of transits of Mars in the 57th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-57000-03-03	17:01 J	-19097764.90	-19097764.79	-19097764.62	0.0088	0.0080	
Saturn	-56999-01-31	07:25 J	-19097431.46	-19097431.19	-19097430.90	0.0271	0.0089	
Neptune	-56998-01-27	17:16 J	-19097070.02	-19097069.78	-19097069.49	0.0088	0.0049	
Neptune	-56997-12-22	14:09 J	-19096375.20	-19096374.91	-19096374.59	0.0088	0.0018	
Neptune	-56995-11-17	07:40 J	-19095680.48	-19095680.18	-19095679.86	0.0089	0.0014	
Neptune	-56993-10-11	23:16 J	-19094985.78	-19094985.53	-19094985.24	0.0089	0.0044	
Neptune	-56991-09-06	11:16 J	-19094291.18	-19094291.03	-19094290.83	0.0089	0.0073	
Jupiter	-56990-03-21	19:40 J	-19094094.87	-19094094.68	-19094094.49	0.0503	0.0332	
Saturn	-56983-03-22	13:11 J	-19091537.12	-19091536.95	-19091536.75	0.0291	0.0221	
Jupiter	-56972-02-27	09:49 J	-19087542.38	-19087542.09	-19087541.79	0.0523	0.0048	
Uranus	-56962-05-02	13:11 J	-19083826.23	-19083825.95	-19083825.67	0.0142	0.0000	
Saturn	-56941-05-08	23:30 J	-19076148.77	-19076148.52	-19076148.25	0.0273	0.0129	
Saturn	-56925-06-26	21:35 J	-19070255.89	-19070255.60	-19070255.32	0.0289	0.0044	
Uranus	-56924-12-04	09:49 J	-19069730.39	-19069730.09	-19069729.76	0.0137	0.0053	
Neptune	-56919-11-08	20:37 J	-19067929.81	-19067929.64	-19067929.47	0.0089	0.0074	
Neptune	-56917-10-03	09:06 J	-19067235.38	-19067235.12	-19067234.85	0.0089	0.0045	
Neptune	-56915-08-28	23:59 J	-19066540.81	-19066540.50	-19066540.19	0.0089	0.0015	
Neptune	-56913-07-23	17:59 J	-19065846.04	-19065845.75	-19065845.42	0.0089	0.0016	
Neptune	-56911-06-18	15:49 J	-19065151.10	-19065150.84	-19065150.56	0.0089	0.0046	

Saturn -56911-06-28 03:49 J -19065141.60 -19065141.34 -19065141.08 0.0271 0.0128
 Neptune -56909-05-13 15:06 J -19064456.02 -19064455.87 -19064455.71 0.0089 0.0077
 Jupiter -56908-12-08 02:23 J -19063882.46 -19063882.40 -19063882.31 0.0505 0.0484
 Saturn -56895-08-16 11:01 J -19059248.18 -19059248.04 -19059247.89 0.0292 0.0249
 Uranus -56879-01-25 05:45 J -19053607.35 -19053607.26 -19053607.14 0.0141 0.0130
 Uranus -56878-12-26 06:57 J -19052907.43 -19052907.21 -19052906.97 0.0142 0.0081
 Jupiter -56872-09-10 16:18 J -19050822.08 -19050821.82 -19050821.57 0.0504 0.0009
 Jupiter -56854-08-15 07:54 J -19044274.24 -19044274.17 -19044274.07 0.0521 0.0498
 Saturn -56853-10-03 12:57 J -19043859.24 -19043858.96 -19043858.68 0.0273 0.0095
 Uranus -56839-07-31 14:09 J -19038810.24 -19038809.91 -19038809.58 0.0137 0.0038
 Saturn -56837-11-20 07:40 J -19037967.47 -19037967.18 -19037966.89 0.0289 0.0024
 Jupiter -56836-06-14 09:06 J -19037761.19 -19037761.12 -19037761.03 0.0502 0.0476
 Neptune -56835-09-10 17:59 J -19037307.95 -19037307.75 -19037307.48 0.0088 0.0060
 Neptune -56833-08-05 17:59 J -19036613.03 -19036612.75 -19036612.43 0.0088 0.0029
 Neptune -56831-07-01 15:06 J -19035918.19 -19035917.87 -19035917.56 0.0088 0.0002
 Neptune -56829-05-26 07:25 J -19035223.46 -19035223.19 -19035222.88 0.0089 0.0033
 Neptune -56827-04-20 22:47 J -19034528.75 -19034528.55 -19034528.30 0.0089 0.0062
 Saturn -56823-11-22 01:40 J -19032852.66 -19032852.43 -19032852.19 0.0271 0.0161
 Jupiter -56818-05-24 08:23 J -19031208.40 -19031208.15 -19031207.89 0.0523 0.0269
 Saturn -56806-01-10 08:23 J -19026959.22 -19026959.15 -19026959.07 0.0291 0.0280
 Pluto -56803-09-24 02:09 J -19025606.64 -19025606.41 -19025606.15 0.0080 0.0050
 Uranus -56795-09-20 00:28 J -19022688.73 -19022688.48 -19022688.21 0.0141 0.0050
 Saturn -56764-02-26 20:52 J -19011570.91 -19011570.63 -19011570.34 0.0273 0.0072
 Uranus -56756-04-20 19:40 J -19008595.85 -19008595.68 -19008595.49 0.0138 0.0117
 Neptune -56755-06-23 12:13 J -19008167.07 -19008166.99 -19008166.86 0.0089 0.0083
 Uranus -56754-03-27 14:52 J -19007889.98 -19007889.88 -19007889.74 0.0137 0.0128
 Jupiter -56753-03-03 01:11 J -19007548.63 -19007548.45 -19007548.25 0.0505 0.0321
 Neptune -56753-05-17 22:33 J -19007472.77 -19007472.56 -19007472.29 0.0089 0.0055
 Neptune -56751-04-12 12:42 J -19006778.27 -19006777.97 -19006777.68 0.0089 0.0025
 Neptune -56749-03-07 03:49 J -19006083.65 -19006083.34 -19006083.03 0.0089 0.0005

Saturn -56748-04-15 17:01 J -19005679.08 -19005678.79 -19005678.50 0.0289 0.0005
 Neptune -56747-01-30 22:04 J -19005388.85 -19005388.58 -19005388.27 0.0089 0.0035
 Neptune -56746-12-26 20:37 J -19004693.84 -19004693.64 -19004693.41 0.0089 0.0065
 Saturn -56734-04-17 17:16 J -19000563.99 -19000563.78 -19000563.55 0.0271 0.0183
 Saturn -56718-06-04 20:52 J -18994671.67 -18994671.63 -18994671.56 0.0291 0.0285
 Jupiter -56718-12-05 22:33 J -18994487.80 -18994487.56 -18994487.33 0.0503 0.0175
 Uranus -56710-05-15 19:40 J -18991769.94 -18991769.68 -18991769.40 0.0142 0.0032
 Jupiter -56700-11-09 06:28 J -18987939.49 -18987939.23 -18987938.95 0.0521 0.0225
 Saturn -56676-07-23 03:35 J -18979282.64 -18979282.35 -18979282.06 0.0274 0.0055
 Uranus -56672-12-16 05:59 J -18977675.58 -18977675.25 -18977674.91 0.0137 0.0023
 Neptune -56671-04-24 19:54 J -18977545.86 -18977545.67 -18977545.46 0.0088 0.0069
 Neptune -56669-03-19 21:06 J -18976850.89 -18976850.62 -18976850.32 0.0088 0.0039
 Neptune -56667-02-12 19:54 J -18976155.98 -18976155.67 -18976155.35 0.0088 0.0009
 Neptune -56665-01-08 15:49 J -18975461.13 -18975460.84 -18975460.52 0.0088 0.0022
 Neptune -56664-12-03 08:09 J -18974766.39 -18974766.16 -18974765.88 0.0089 0.0051
 Neptune -56662-10-28 22:33 J -18974071.68 -18974071.56 -18974071.40 0.0089 0.0079
 Saturn -56660-09-08 00:42 J -18973391.76 -18973391.47 -18973391.18 0.0288 0.0003
 Saturn -56646-09-10 05:01 J -18968276.49 -18968276.29 -18968276.07 0.0272 0.0194
 Uranus -56627-02-07 15:21 J -18961551.04 -18961550.86 -18961550.64 0.0141 0.0098
 Uranus -56625-01-08 14:23 J -18960851.03 -18960850.90 -18960850.71 0.0142 0.0116
 Saturn -56602-12-12 20:37 J -18952111.68 -18952111.64 -18952111.58 0.0284 0.0280
 Jupiter -56599-05-28 20:23 J -18951213.89 -18951213.65 -18951213.40 0.0504 0.0111
 Neptune -56590-12-31 15:35 J -18947710.05 -18947709.85 -18947709.62 0.0089 0.0063
 Neptune -56588-11-25 02:23 J -18947015.67 -18947015.40 -18947015.10 0.0089 0.0035
 Saturn -56588-12-15 09:21 J -18946995.39 -18946995.11 -18946994.81 0.0274 0.0049
 Uranus -56587-08-12 12:28 J -18946755.26 -18946754.98 -18946754.67 0.0137 0.0071
 Neptune -56586-10-20 16:47 J -18946321.10 -18946320.80 -18946320.48 0.0089 0.0006
 Neptune -56584-09-14 09:06 J -18945626.41 -18945626.12 -18945625.81 0.0089 0.0024
 Neptune -56582-08-10 03:35 J -18944931.58 -18944931.35 -18944931.08 0.0089 0.0054
 Neptune -56580-07-05 02:09 J -18944236.47 -18944236.41 -18944236.27 0.0089 0.0084

Saturn -56571-01-31 15:06 J -18941104.16 -18941103.87 -18941103.58 0.0288 0.0009
 Jupiter -56563-03-01 16:04 J -18938152.99 -18938152.83 -18938152.67 0.0503 0.0380
 Saturn -56557-02-03 02:37 J -18935988.58 -18935988.39 -18935988.20 0.0272 0.0209
 Pluto -56554-01-01 09:35 J -18934925.36 -18934925.10 -18934924.79 0.0080 0.0036
 Jupiter -56545-02-04 01:25 J -18931604.74 -18931604.44 -18931604.14 0.0522 0.0033
 Uranus -56543-10-03 06:28 J -18930632.50 -18930632.23 -18930631.94 0.0141 0.0019
 Saturn -56513-05-06 12:57 J -18919824.03 -18919823.96 -18919823.86 0.0285 0.0272
 Neptune -56508-12-06 19:54 J -18917783.78 -18917783.67 -18917783.48 0.0088 0.0079
 Neptune -56506-11-02 01:25 J -18917088.71 -18917088.44 -18917088.17 0.0088 0.0048
 Uranus -56504-05-03 01:40 J -18916540.68 -18916540.43 -18916540.13 0.0138 0.0081
 Neptune -56504-09-27 01:40 J -18916393.73 -18916393.43 -18916393.11 0.0088 0.0018
 Neptune -56502-08-22 23:16 J -18915698.83 -18915698.53 -18915698.20 0.0088 0.0012
 Neptune -56500-07-17 18:42 J -18915003.98 -18915003.72 -18915003.42 0.0089 0.0041
 Saturn -56499-05-10 06:57 J -18914707.50 -18914707.21 -18914706.92 0.0275 0.0033
 Neptune -56498-06-12 10:47 J -18914309.21 -18914309.05 -18914308.82 0.0089 0.0069
 Saturn -56483-06-26 09:21 J -18908816.40 -18908816.11 -18908815.82 0.0287 0.0029
 Jupiter -56481-11-18 18:13 J -18907939.89 -18907939.74 -18907939.59 0.0506 0.0397
 Saturn -56469-06-27 10:18 J -18903701.23 -18903701.07 -18903700.88 0.0273 0.0218
 Uranus -56458-05-28 20:23 J -18899713.89 -18899713.65 -18899713.39 0.0142 0.0063
 Jupiter -56445-08-22 11:30 J -18894879.27 -18894879.02 -18894878.77 0.0504 0.0088
 Saturn -56441-08-14 18:28 J -18893425.75 -18893425.73 -18893425.68 0.0278 0.0275
 Jupiter -56427-07-22 16:04 J -18888335.95 -18888335.83 -18888335.71 0.0521 0.0476
 Neptune -56426-08-15 11:30 J -18887947.18 -18887947.02 -18887946.82 0.0089 0.0071
 Saturn -56425-09-29 20:23 J -18887535.80 -18887535.65 -18887535.48 0.0284 0.0240
 Neptune -56424-07-09 19:54 J -18887252.91 -18887252.67 -18887252.38 0.0089 0.0044
 Neptune -56422-06-04 07:11 J -18886558.50 -18886558.20 -18886557.89 0.0089 0.0015
 Neptune -56420-04-28 21:35 J -18885863.89 -18885863.60 -18885863.28 0.0089 0.0014
 Uranus -56420-12-28 05:16 J -18885620.62 -18885620.28 -18885619.94 0.0137 0.0012
 Neptune -56418-03-24 14:37 J -18885169.15 -18885168.89 -18885168.60 0.0089 0.0043
 Neptune -56416-02-16 10:33 J -18884474.24 -18884474.06 -18884473.88 0.0089 0.0072

Saturn -56411-10-02 22:04 J -18882419.87 -18882419.58 -18882419.28 0.0275 0.0022
 Saturn -56395-11-19 18:13 J -18876528.03 -18876527.74 -18876527.45 0.0287 0.0050
 Jupiter -56391-04-30 23:16 J -18875269.77 -18875269.53 -18875269.28 0.0522 0.0303
 Saturn -56381-11-20 20:37 J -18871412.76 -18871412.64 -18871412.50 0.0273 0.0245
 Uranus -56375-02-20 09:35 J -18869495.32 -18869495.10 -18869494.85 0.0141 0.0073
 Saturn -56352-01-07 21:06 J -18861137.73 -18861137.62 -18861137.52 0.0278 0.0258
 Neptune -56344-07-20 20:37 J -18858021.68 -18858021.64 -18858021.56 0.0088 0.0087
 Neptune -56342-06-16 02:37 J -18857326.60 -18857326.39 -18857326.10 0.0088 0.0058
 Neptune -56340-05-11 07:25 J -18856631.48 -18856631.19 -18856630.87 0.0088 0.0028
 Neptune -56338-04-06 08:23 J -18855936.47 -18855936.15 -18855935.83 0.0088 0.0002
 Saturn -56336-02-23 16:04 J -18855247.02 -18855246.83 -18855246.63 0.0284 0.0212
 Neptune -56336-03-01 05:01 J -18855241.57 -18855241.29 -18855240.98 0.0088 0.0031
 Uranus -56335-08-24 05:16 J -18854700.48 -18854700.28 -18854700.02 0.0137 0.0102
 Neptune -56334-01-24 23:45 J -18854546.72 -18854546.51 -18854546.25 0.0089 0.0059
 Neptune -56333-12-19 15:35 J -18853851.88 -18853851.85 -18853851.74 0.0089 0.0087
 Jupiter -56326-02-12 21:49 J -18851605.82 -18851605.59 -18851605.37 0.0506 0.0227
 Saturn -56322-02-26 16:47 J -18850131.10 -18850130.80 -18850130.51 0.0275 0.0012
 Pluto -56306-04-10 01:40 J -18844244.56 -18844244.43 -18844244.27 0.0080 0.0071
 Saturn -56306-04-16 03:35 J -18844238.62 -18844238.35 -18844238.07 0.0286 0.0101
 Saturn -56292-04-16 08:52 J -18839124.14 -18839124.13 -18839124.08 0.0273 0.0271
 Uranus -56291-10-15 23:59 J -18838576.78 -18838576.50 -18838576.22 0.0141 0.0006
 Jupiter -56291-11-16 11:30 J -18838545.23 -18838545.02 -18838544.79 0.0504 0.0255
 Jupiter -56273-10-15 20:37 J -18832001.90 -18832001.64 -18832001.36 0.0521 0.0243
 Saturn -56264-06-04 01:11 J -18828848.61 -18828848.45 -18828848.26 0.0278 0.0219
 Neptune -56262-03-30 08:52 J -18828184.25 -18828184.13 -18828183.96 0.0089 0.0078
 Neptune -56260-02-21 16:33 J -18827490.04 -18827489.81 -18827489.54 0.0089 0.0051
 Neptune -56258-01-17 02:37 J -18826795.67 -18826795.39 -18826795.07 0.0089 0.0024
 Neptune -56257-12-11 14:23 J -18826101.20 -18826100.90 -18826100.58 0.0089 0.0005
 Neptune -56255-11-06 05:16 J -18825406.55 -18825406.28 -18825405.98 0.0089 0.0033
 Neptune -56253-09-30 23:01 J -18824711.74 -18824711.54 -18824711.29 0.0089 0.0062

Uranus -56252-05-14 01:54 J -18824486.72 -18824486.42 -18824486.10 0.0138 0.0061
 Saturn -56248-07-21 13:40 J -18822957.17 -18822956.93 -18822956.67 0.0284 0.0153
 Jupiter -56237-07-24 09:06 J -18818936.22 -18818936.12 -18818936.02 0.0523 0.0494
 Saturn -56234-07-23 18:13 J -18817842.03 -18817841.74 -18817841.45 0.0275 0.0044
 Saturn -56218-09-10 16:18 J -18811949.07 -18811948.82 -18811948.57 0.0287 0.0143
 Uranus -56208-07-10 17:30 J -18808357.86 -18808357.77 -18808357.63 0.0140 0.0127
 Uranus -56206-06-10 14:37 J -18807658.11 -18807657.89 -18807657.67 0.0141 0.0086
 Neptune -56178-01-28 07:11 J -18797564.39 -18797564.20 -18797563.95 0.0088 0.0065
 Neptune -56177-12-23 12:57 J -18796869.24 -18796868.96 -18796868.65 0.0088 0.0036
 Saturn -56176-10-29 14:09 J -18796559.12 -18796558.91 -18796558.68 0.0277 0.0181
 Neptune -56175-11-18 16:47 J -18796174.12 -18796173.80 -18796173.48 0.0088 0.0007
 Neptune -56173-10-13 16:33 J -18795479.12 -18795478.81 -18795478.50 0.0088 0.0022
 Jupiter -56172-05-08 09:35 J -18795272.34 -18795272.10 -18795271.85 0.0505 0.0087
 Neptune -56171-09-08 12:13 J -18794784.23 -18794783.99 -18794783.71 0.0088 0.0050
 Neptune -56169-08-03 06:13 J -18794089.37 -18794089.24 -18794089.06 0.0089 0.0077
 Uranus -56167-01-08 04:18 J -18793566.64 -18793566.32 -18793565.97 0.0137 0.0031
 Saturn -56160-12-16 05:59 J -18790667.52 -18790667.25 -18790666.97 0.0285 0.0110
 Saturn -56146-12-18 12:42 J -18785552.24 -18785551.97 -18785551.68 0.0275 0.0094
 Jupiter -56136-02-08 20:23 J -18782211.81 -18782211.65 -18782211.48 0.0504 0.0386
 Saturn -56129-02-06 01:40 J -18779658.63 -18779658.43 -18779658.23 0.0287 0.0208
 Uranus -56123-03-05 08:09 J -18777439.42 -18777439.16 -18777438.90 0.0141 0.0048
 Jupiter -56118-01-08 15:21 J -18775669.16 -18775668.86 -18775668.56 0.0521 0.0080
 Neptune -56099-11-12 11:45 J -18768421.09 -18768421.01 -18768420.90 0.0089 0.0084
 Neptune -56097-10-06 16:04 J -18767727.04 -18767726.83 -18767726.59 0.0089 0.0058
 Neptune -56095-08-31 23:45 J -18767032.79 -18767032.51 -18767032.22 0.0089 0.0031
 Neptune -56093-07-26 10:47 J -18766338.35 -18766338.05 -18766337.74 0.0089 0.0004
 Neptune -56091-06-20 22:33 J -18765643.85 -18765643.56 -18765643.25 0.0089 0.0024
 Neptune -56089-05-15 13:54 J -18764949.16 -18764948.92 -18764948.66 0.0089 0.0052
 Saturn -56087-03-26 10:18 J -18764269.32 -18764269.07 -18764268.81 0.0277 0.0131
 Neptune -56087-04-10 07:54 J -18764254.26 -18764254.17 -18764253.99 0.0089 0.0081

Uranus	-56085-09-28 02:09 J	-18763352.47	-18763352.41	-18763352.29	0.0138	0.0133
Uranus	-56083-09-04 04:33 J	-18762646.44	-18762646.31	-18762646.12	0.0137	0.0122
Saturn	-56071-05-13 12:57 J	-18758377.24	-18758376.96	-18758376.66	0.0285	0.0051
Saturn	-56057-05-14 10:47 J	-18753262.29	-18753262.05	-18753261.79	0.0274	0.0137
Jupiter	-56054-10-29 05:01 J	-18751999.41	-18751999.29	-18751999.15	0.0507	0.0435
Saturn	-56041-07-02 11:01 J	-18747369.18	-18747369.04	-18747368.88	0.0288	0.0246
Uranus	-56039-10-28 20:52 J	-18746520.91	-18746520.63	-18746520.36	0.0141	0.0032
Jupiter	-56018-08-01 14:37 J	-18738939.14	-18738938.89	-18738938.64	0.0506	0.0035
Neptune	-56015-09-11 10:47 J	-18737802.21	-18737802.05	-18737801.84	0.0088	0.0073
Neptune	-56013-08-06 19:40 J	-18737106.95	-18737106.68	-18737106.38	0.0088	0.0044
Neptune	-56011-07-03 00:42 J	-18736411.79	-18736411.47	-18736411.15	0.0088	0.0015
Neptune	-56009-05-28 03:21 J	-18735716.67	-18735716.36	-18735716.04	0.0088	0.0014
Neptune	-56007-04-23 03:06 J	-18735021.63	-18735021.37	-18735021.07	0.0088	0.0042
Neptune	-56005-03-17 22:33 J	-18734326.73	-18734326.56	-18734326.33	0.0089	0.0069

56TH MILLENNIUM BCE

This is a list of transits of Mars in the 56th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-56000-05-25 10:47 J	-18732432.37	-18732432.05	-18732431.71	0.0138	0.0037		
Saturn	-55999-08-21 07:54 J	-18731979.44	-18731979.17	-18731978.89	0.0277	0.0090		
Saturn	-55983-10-07 13:11 J	-18726088.25	-18726087.95	-18726087.66	0.0285	0.0019		
Saturn	-55969-10-08 22:18 J	-18720972.79	-18720972.57	-18720972.34	0.0274	0.0179		
Jupiter	-55964-04-02 23:59 J	-18719335.80	-18719335.50	-18719335.20	0.0520	0.0112		

Uranus -55956-07-23 11:59 J -18716302.17 -18716302.00 -18716301.79 0.0140 0.0104
 Uranus -55954-06-23 07:54 J -18715602.32 -18715602.17 -18715601.98 0.0142 0.0112
 Neptune -55933-05-21 20:09 J -18707963.86 -18707963.66 -18707963.45 0.0089 0.0064
 Neptune -55931-04-16 01:11 J -18707269.71 -18707269.45 -18707269.16 0.0089 0.0038
 Neptune -55929-03-10 08:52 J -18706575.43 -18706575.13 -18706574.82 0.0089 0.0011
 Neptune -55927-02-02 20:23 J -18705880.94 -18705880.65 -18705880.33 0.0089 0.0016
 Neptune -55926-12-29 09:35 J -18705186.35 -18705186.10 -18705185.81 0.0089 0.0043
 Neptune -55924-11-23 00:57 J -18704491.62 -18704491.46 -18704491.25 0.0089 0.0071
 Uranus -55915-01-19 13:40 J -18701512.23 -18701511.93 -18701511.60 0.0137 0.0057
 Saturn -55910-01-15 09:06 J -18699690.40 -18699690.12 -18699689.83 0.0276 0.0054
 Jupiter -55899-01-21 17:30 J -18695665.97 -18695665.77 -18695665.56 0.0507 0.0297
 Pluto -55897-03-24 08:09 J -18694873.38 -18694873.16 -18694872.90 0.0064 0.0041
 Saturn -55894-03-03 14:37 J -18693799.18 -18693798.89 -18693798.59 0.0286 0.0014
 Saturn -55880-03-05 05:59 J -18688683.43 -18688683.25 -18688683.06 0.0274 0.0212
 Uranus -55871-03-17 19:11 J -18685383.97 -18685383.70 -18685383.42 0.0141 0.0028
 Jupiter -55864-10-25 11:30 J -18682605.25 -18682605.02 -18682604.78 0.0505 0.0192
 Neptune -55851-04-25 14:23 J -18678040.01 -18678039.90 -18678039.72 0.0088 0.0080
 Neptune -55849-03-21 01:40 J -18677344.69 -18677344.43 -18677344.16 0.0088 0.0051
 Neptune -55847-02-14 09:21 J -18676649.40 -18676649.11 -18676648.78 0.0088 0.0023
 Jupiter -55846-09-19 05:59 J -18676067.43 -18676067.25 -18676067.06 0.0519 0.0408
 Neptune -55845-01-10 13:40 J -18675954.24 -18675953.93 -18675953.60 0.0088 0.0006
 Neptune -55844-12-05 15:06 J -18675259.15 -18675258.87 -18675258.56 0.0088 0.0034
 Neptune -55842-10-31 14:09 J -18674564.11 -18674563.91 -18674563.65 0.0088 0.0061
 Neptune -55840-09-25 09:35 J -18673869.14 -18673869.10 -18673869.02 0.0089 0.0087
 Saturn -55836-06-06 13:40 J -18672519.01 -18672518.93 -18672518.83 0.0283 0.0269
 Uranus -55833-10-09 10:18 J -18671298.27 -18671298.07 -18671297.84 0.0138 0.0109
 Saturn -55822-06-11 06:57 J -18667401.50 -18667401.21 -18667400.92 0.0277 0.0027
 Jupiter -55810-06-28 03:49 J -18663001.55 -18663001.34 -18663001.10 0.0522 0.0339
 Saturn -55806-07-27 09:06 J -18661511.41 -18661511.12 -18661510.82 0.0285 0.0028
 Saturn -55792-07-29 08:37 J -18656395.28 -18656395.14 -18656394.97 0.0274 0.0232

Uranus -55787-11-10 03:35 J -18654465.61 -18654465.35 -18654465.09 0.0141 0.0048
 Neptune -55769-01-05 00:42 J -18648200.63 -18648200.47 -18648200.26 0.0089 0.0070
 Neptune -55768-11-29 05:59 J -18647506.51 -18647506.25 -18647505.99 0.0089 0.0044
 Neptune -55766-10-24 12:13 J -18646812.29 -18646811.99 -18646811.69 0.0089 0.0018
 Saturn -55764-09-16 03:49 J -18646119.38 -18646119.34 -18646119.26 0.0280 0.0274
 Neptune -55764-09-17 20:09 J -18646117.96 -18646117.66 -18646117.35 0.0089 0.0008
 Neptune -55762-08-13 07:54 J -18645423.44 -18645423.17 -18645422.87 0.0089 0.0035
 Neptune -55760-07-07 22:04 J -18644728.78 -18644728.58 -18644728.34 0.0089 0.0062
 Uranus -55748-06-05 05:30 J -18640378.60 -18640378.27 -18640377.92 0.0138 0.0020
 Saturn -55748-10-30 04:47 J -18640231.42 -18640231.30 -18640231.16 0.0281 0.0253
 Jupiter -55745-04-17 06:42 J -18639331.47 -18639331.22 -18639330.98 0.0506 0.0105
 Saturn -55734-11-03 23:01 J -18635113.83 -18635113.54 -18635113.25 0.0277 0.0016
 Saturn -55718-12-20 05:59 J -18629223.54 -18629223.25 -18629222.96 0.0285 0.0039
 Jupiter -55709-01-19 23:16 J -18626270.69 -18626270.53 -18626270.37 0.0505 0.0381
 Uranus -55704-08-04 17:30 J -18624246.96 -18624246.77 -18624246.54 0.0140 0.0090
 Saturn -55704-12-22 14:23 J -18624107.00 -18624106.90 -18624106.77 0.0275 0.0252
 Uranus -55702-07-05 13:40 J -18623547.05 -18623546.93 -18623546.80 0.0141 0.0126
 Jupiter -55692-12-13 19:54 J -18619732.96 -18619732.67 -18619732.38 0.0520 0.0165
 Neptune -55688-12-07 18:57 J -18618277.75 -18618277.71 -18618277.59 0.0088 0.0086
 Neptune -55686-11-03 07:40 J -18617582.40 -18617582.18 -18617581.90 0.0088 0.0057
 Neptune -55684-09-28 17:16 J -18616887.06 -18616886.78 -18616886.45 0.0088 0.0030
 Neptune -55682-08-25 01:11 J -18616191.78 -18616191.45 -18616191.13 0.0088 0.0001
 Neptune -55680-07-20 04:33 J -18615496.60 -18615496.31 -18615495.98 0.0088 0.0027
 Neptune -55678-06-15 04:33 J -18614801.53 -18614801.31 -18614801.02 0.0088 0.0054
 Neptune -55676-05-10 03:21 J -18614106.46 -18614106.36 -18614106.18 0.0088 0.0080
 Saturn -55675-02-08 12:42 J -18613832.04 -18613831.97 -18613831.89 0.0280 0.0270
 Uranus -55663-01-30 00:13 J -18609458.77 -18609458.49 -18609458.18 0.0138 0.0069
 Saturn -55659-03-24 23:16 J -18607943.68 -18607943.53 -18607943.38 0.0282 0.0243
 Pluto -55649-07-01 06:42 J -18604192.52 -18604192.22 -18604191.91 0.0064 0.0017
 Saturn -55645-03-28 22:33 J -18602825.85 -18602825.56 -18602825.27 0.0278 0.0001

Saturn -55629-05-13 20:09 J -18596935.95 -18596935.66 -18596935.36 0.0283 0.0057
 Jupiter -55627-10-09 06:57 J -18596057.37 -18596057.21 -18596057.05 0.0508 0.0391
 Uranus -55619-03-30 03:49 J -18593328.61 -18593328.34 -18593328.06 0.0141 0.0013
 Saturn -55615-05-16 19:54 J -18591819.75 -18591819.67 -18591819.55 0.0275 0.0258
 Neptune -55606-08-20 10:33 J -18588437.19 -18588437.06 -18588436.88 0.0089 0.0075
 Neptune -55604-07-14 11:59 J -18587743.23 -18587743.00 -18587742.73 0.0089 0.0050
 Neptune -55602-06-08 16:47 J -18587049.07 -18587048.80 -18587048.49 0.0089 0.0025
 Neptune -55600-05-03 00:13 J -18586354.79 -18586354.49 -18586354.19 0.0089 0.0001
 Neptune -55598-03-28 08:09 J -18585660.43 -18585660.16 -18585659.85 0.0089 0.0028
 Neptune -55596-02-19 20:09 J -18584965.88 -18584965.66 -18584965.39 0.0089 0.0054
 Neptune -55594-01-15 12:28 J -18584271.11 -18584270.98 -18584270.85 0.0089 0.0080
 Jupiter -55591-07-12 23:16 J -18582996.78 -18582996.53 -18582996.29 0.0506 0.0094
 Saturn -55587-07-04 10:47 J -18581544.16 -18581544.05 -18581543.92 0.0281 0.0254
 Uranus -55581-10-19 16:18 J -18579245.04 -18579244.82 -18579244.56 0.0138 0.0100
 Saturn -55571-08-17 20:23 J -18575655.82 -18575655.65 -18575655.44 0.0280 0.0218
 Saturn -55557-08-21 05:30 J -18570538.56 -18570538.27 -18570537.98 0.0278 0.0005
 Saturn -55541-10-06 18:57 J -18564648.00 -18564647.71 -18564647.42 0.0284 0.0071
 Jupiter -55537-03-10 02:23 J -18563397.69 -18563397.40 -18563397.10 0.0520 0.0122
 Uranus -55535-11-22 13:11 J -18562410.18 -18562409.95 -18562409.69 0.0141 0.0066
 Neptune -55522-06-17 12:57 J -18557820.16 -18557819.96 -18557819.70 0.0088 0.0064
 Neptune -55520-05-13 01:25 J -18557124.73 -18557124.44 -18557124.13 0.0088 0.0036
 Neptune -55518-04-08 10:18 J -18556429.38 -18556429.07 -18556428.74 0.0088 0.0009
 Neptune -55516-03-03 16:47 J -18555734.10 -18555733.80 -18555733.47 0.0088 0.0019
 Neptune -55514-01-27 20:37 J -18555038.91 -18555038.64 -18555038.37 0.0088 0.0046
 Neptune -55513-12-22 19:54 J -18554343.84 -18554343.67 -18554343.47 0.0088 0.0072
 Saturn -55499-11-26 23:59 J -18549256.63 -18549256.50 -18549256.36 0.0281 0.0248
 Uranus -55496-06-15 17:59 J -18548325.09 -18548324.75 -18548324.40 0.0138 0.0008
 Saturn -55482-01-11 02:09 J -18543367.62 -18543367.41 -18543367.19 0.0281 0.0198
 Jupiter -55472-01-02 17:30 J -18539722.99 -18539722.77 -18539722.54 0.0508 0.0207
 Saturn -55468-01-14 11:59 J -18538250.28 -18538250.00 -18538249.71 0.0278 0.0031

Saturn -55452-03-02 12:28 J -18532359.25 -18532358.98 -18532358.70 0.0283 0.0111
 Uranus -55452-08-17 04:33 J -18532191.53 -18532191.31 -18532191.06 0.0140 0.0073
 Neptune -55442-04-04 21:21 J -18528673.73 -18528673.61 -18528673.47 0.0089 0.0080
 Neptune -55440-02-26 22:33 J -18527979.79 -18527979.56 -18527979.33 0.0089 0.0055
 Neptune -55438-01-22 00:28 J -18527285.76 -18527285.48 -18527285.20 0.0089 0.0030
 Jupiter -55437-10-06 09:49 J -18526662.30 -18526662.09 -18526661.88 0.0506 0.0281
 Neptune -55437-12-16 05:59 J -18526591.55 -18526591.25 -18526590.95 0.0089 0.0005
 Neptune -55435-11-10 13:25 J -18525897.22 -18525896.94 -18525896.62 0.0089 0.0021
 Neptune -55433-10-04 22:47 J -18525202.79 -18525202.55 -18525202.26 0.0089 0.0047
 Neptune -55431-08-30 10:47 J -18524508.19 -18524508.05 -18524507.84 0.0089 0.0073
 Jupiter -55419-08-26 06:28 J -18520129.41 -18520129.23 -18520129.03 0.0518 0.0400
 Uranus -55411-02-09 19:25 J -18517404.93 -18517404.69 -18517404.40 0.0138 0.0087
 Saturn -55410-04-22 14:37 J -18516968.06 -18516967.89 -18516967.70 0.0281 0.0217
 Pluto -55401-10-08 03:21 J -18513511.65 -18513511.36 -18513511.04 0.0064 0.0012
 Saturn -55394-06-07 08:09 J -18511078.40 -18511078.16 -18511077.89 0.0280 0.0151
 Jupiter -55383-06-04 01:40 J -18507063.64 -18507063.43 -18507063.19 0.0521 0.0343
 Saturn -55380-06-09 21:49 J -18505961.87 -18505961.59 -18505961.31 0.0278 0.0051
 Uranus -55367-04-11 11:30 J -18501273.30 -18501273.02 -18501272.74 0.0141 0.0004
 Saturn -55364-07-27 11:59 J -18500070.24 -18500070.00 -18500069.73 0.0284 0.0145
 Neptune -55358-01-29 17:59 J -18498057.95 -18498057.75 -18498057.54 0.0088 0.0069
 Neptune -55357-12-25 08:37 J -18497362.42 -18497362.14 -18497361.83 0.0088 0.0041
 Neptune -55355-11-20 20:09 J -18496666.97 -18496666.66 -18496666.32 0.0088 0.0015
 Neptune -55353-10-16 04:04 J -18495971.64 -18495971.33 -18495971.00 0.0088 0.0013
 Neptune -55351-09-11 09:35 J -18495276.39 -18495276.10 -18495275.81 0.0088 0.0039
 Neptune -55349-08-06 12:28 J -18494581.19 -18494580.98 -18494580.76 0.0088 0.0065
 Uranus -55329-10-30 17:30 J -18487191.04 -18487190.77 -18487190.48 0.0138 0.0080
 Saturn -55322-09-16 14:09 J -18484679.12 -18484678.91 -18484678.70 0.0281 0.0189
 Jupiter -55318-03-29 15:35 J -18483389.10 -18483388.85 -18483388.60 0.0507 0.0046
 Saturn -55306-11-01 15:35 J -18478789.12 -18478788.85 -18478788.57 0.0281 0.0113
 Saturn -55292-11-04 08:09 J -18473672.43 -18473672.16 -18473671.88 0.0278 0.0095

Uranus -55284-01-03 22:47 J -18471054.60 -18471054.55 -18471054.46 0.0140 0.0135
 Uranus -55283-12-04 17:59 J -18470354.98 -18470354.75 -18470354.52 0.0141 0.0080
 Jupiter -55283-12-31 01:54 J -18470328.54 -18470328.42 -18470328.27 0.0506 0.0429
 Neptune -55279-11-18 10:18 J -18468910.16 -18468910.07 -18468909.96 0.0089 0.0084
 Neptune -55277-10-12 08:37 J -18468216.33 -18468216.14 -18468215.89 0.0089 0.0060
 Saturn -55276-12-22 15:49 J -18467780.04 -18467779.84 -18467779.64 0.0284 0.0205
 Neptune -55275-09-06 10:47 J -18467522.31 -18467522.05 -18467521.76 0.0089 0.0036
 Neptune -55273-07-31 13:25 J -18466828.24 -18466827.94 -18466827.64 0.0089 0.0011
 Neptune -55271-06-25 18:28 J -18466134.02 -18466133.73 -18466133.42 0.0089 0.0014
 Neptune -55269-05-20 03:06 J -18465439.64 -18465439.37 -18465439.09 0.0089 0.0039
 Neptune -55267-04-14 12:57 J -18464745.14 -18464744.96 -18464744.72 0.0089 0.0065
 Jupiter -55265-11-18 09:49 J -18463796.36 -18463796.09 -18463795.80 0.0519 0.0220
 Uranus -55244-06-26 15:35 J -18456271.19 -18456270.85 -18456270.50 0.0138 0.0013
 Saturn -55233-02-11 06:57 J -18452389.45 -18452389.21 -18452388.95 0.0280 0.0141
 Jupiter -55229-08-27 03:06 J -18450730.41 -18450730.37 -18450730.33 0.0520 0.0514
 Saturn -55217-03-28 23:59 J -18446498.79 -18446498.50 -18446498.20 0.0281 0.0053
 Saturn -55203-04-01 02:52 J -18441382.62 -18441382.38 -18441382.12 0.0278 0.0137
 Uranus -55200-08-29 05:16 J -18440136.52 -18440136.28 -18440136.02 0.0140 0.0061
 Jupiter -55200-09-18 13:40 J -18440116.08 -18440115.93 -18440115.77 0.0509 0.0392
 Neptune -55195-09-12 20:09 J -18438295.81 -18438295.66 -18438295.45 0.0088 0.0075
 Neptune -55193-08-08 12:42 J -18437600.23 -18437599.97 -18437599.67 0.0088 0.0047
 Neptune -55191-07-05 02:52 J -18436904.68 -18436904.38 -18436904.04 0.0088 0.0021
 Neptune -55189-05-30 14:23 J -18436209.22 -18436208.90 -18436208.57 0.0088 0.0007
 Neptune -55187-04-25 21:49 J -18435513.88 -18435513.59 -18435513.28 0.0088 0.0033
 Saturn -55187-05-19 05:16 J -18435490.41 -18435490.28 -18435490.12 0.0284 0.0248
 Neptune -55185-03-21 02:09 J -18434818.62 -18434818.41 -18434818.14 0.0088 0.0059
 Neptune -55183-02-14 04:04 J -18434123.39 -18434123.33 -18434123.18 0.0088 0.0084
 Jupiter -55164-06-21 21:21 J -18427055.85 -18427055.61 -18427055.36 0.0508 0.0077
 Uranus -55159-02-20 09:35 J -18425351.31 -18425351.10 -18425350.84 0.0138 0.0102
 Pluto -55152-01-15 02:52 J -18422830.62 -18422830.38 -18422830.09 0.0064 0.0034

Saturn -55145-07-08 06:57 J -18420099.47 -18420099.21 -18420098.94 0.0280 0.0096
 Saturn -55129-08-23 09:35 J -18414209.40 -18414209.10 -18414208.80 0.0282 0.0014
 Uranus -55115-04-23 12:28 J -18409218.25 -18409217.98 -18409217.70 0.0141 0.0015
 Neptune -55115-07-04 00:28 J -18409146.51 -18409146.48 -18409146.40 0.0089 0.0087
 Saturn -55115-08-26 22:04 J -18409092.78 -18409092.58 -18409092.35 0.0277 0.0186
 Neptune -55113-05-27 21:49 J -18408452.78 -18408452.59 -18408452.37 0.0089 0.0064
 Neptune -55111-04-21 20:23 J -18407758.89 -18407758.65 -18407758.36 0.0089 0.0041
 Jupiter -55110-02-11 12:42 J -18407463.28 -18407462.97 -18407462.67 0.0518 0.0042
 Neptune -55109-03-15 23:01 J -18407064.82 -18407064.54 -18407064.23 0.0089 0.0017
 Neptune -55107-02-08 02:37 J -18406370.68 -18406370.39 -18406370.08 0.0089 0.0008
 Neptune -55105-01-03 08:09 J -18405676.42 -18405676.16 -18405675.86 0.0089 0.0033
 Neptune -55104-11-27 17:16 J -18404981.99 -18404981.78 -18404981.53 0.0089 0.0058
 Neptune -55102-10-23 04:18 J -18404287.39 -18404287.32 -18404287.17 0.0089 0.0083
 Uranus -55077-11-09 23:45 J -18395137.79 -18395137.51 -18395137.20 0.0138 0.0071
 Saturn -55071-11-28 02:37 J -18392928.39 -18392928.39 -18392928.34 0.0279 0.0279
 Saturn -55057-12-02 19:40 J -18387809.95 -18387809.68 -18387809.39 0.0280 0.0052
 Jupiter -55046-12-12 19:11 J -18383782.91 -18383782.70 -18383782.49 0.0510 0.0273
 Saturn -55040-01-18 03:21 J -18381919.66 -18381919.36 -18381919.06 0.0282 0.0032
 Uranus -55032-01-16 03:06 J -18378999.49 -18378999.37 -18378999.23 0.0140 0.0123
 Neptune -55031-04-26 21:21 J -18378533.73 -18378533.61 -18378533.45 0.0088 0.0080
 Uranus -55031-12-16 19:54 J -18378299.85 -18378299.67 -18378299.44 0.0141 0.0094
 Neptune -55029-03-22 17:01 J -18377838.05 -18377837.79 -18377837.52 0.0088 0.0053
 Neptune -55027-02-16 08:37 J -18377142.44 -18377142.14 -18377141.81 0.0088 0.0026
 Saturn -55026-01-21 16:18 J -18376802.97 -18376802.82 -18376802.64 0.0277 0.0228
 Neptune -55025-01-12 21:49 J -18376446.92 -18376446.59 -18376446.26 0.0088 0.0001
 Neptune -55024-12-08 08:09 J -18375751.46 -18375751.16 -18375750.84 0.0088 0.0027
 Neptune -55022-11-03 15:21 J -18375056.12 -18375055.86 -18375055.60 0.0088 0.0052
 Neptune -55020-09-28 18:13 J -18374360.87 -18374360.74 -18374360.56 0.0088 0.0077
 Jupiter -55010-09-15 10:47 J -18370722.27 -18370722.05 -18370721.82 0.0507 0.0212

55TH MILLENNIUM BCE

This is a list of transits of Mars in the 55th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-54992-07-06	23:45 J	-18364217.85	-18364217.51	-18364217.17	0.0138	0.0022	
Saturn	-54982-04-24	08:23 J	-18360639.28	-18360639.15	-18360638.98	0.0280	0.0244	
Saturn	-54968-04-29	05:16 J	-18355520.56	-18355520.28	-18355519.99	0.0280	0.0016	
Jupiter	-54956-05-07	03:35 J	-18351129.64	-18351129.35	-18351129.06	0.0519	0.0154	
Saturn	-54952-06-13	11:01 J	-18349631.33	-18349631.04	-18349630.74	0.0282	0.0057	
Neptune	-54949-01-11	10:47 J	-18348689.22	-18348689.05	-18348688.85	0.0089	0.0068	
Uranus	-54948-09-10	11:16 J	-18348081.28	-18348081.03	-18348080.76	0.0140	0.0047	
Neptune	-54948-12-05	09:06 J	-18347995.36	-18347995.12	-18347994.85	0.0089	0.0045	
Neptune	-54946-10-30	08:23 J	-18347301.43	-18347301.15	-18347300.85	0.0089	0.0022	
Neptune	-54944-09-23	11:01 J	-18346607.33	-18346607.04	-18346606.73	0.0089	0.0003	
Neptune	-54942-08-18	15:49 J	-18345913.12	-18345912.84	-18345912.54	0.0089	0.0026	
Neptune	-54940-07-12	21:21 J	-18345218.83	-18345218.61	-18345218.34	0.0089	0.0051	
Neptune	-54938-06-07	07:11 J	-18344524.35	-18344524.20	-18344524.03	0.0089	0.0075	
Saturn	-54938-06-17	07:54 J	-18344514.27	-18344514.17	-18344514.06	0.0277	0.0256	
Saturn	-54910-08-05	15:06 J	-18334237.95	-18334237.87	-18334237.76	0.0283	0.0265	
Uranus	-54907-03-03	01:11 J	-18333297.61	-18333297.45	-18333297.25	0.0138	0.0117	
Pluto	-54904-04-23	23:30 J	-18332149.53	-18332149.52	-18332149.43	0.0064	0.0063	
Saturn	-54894-09-17	08:52 J	-18328351.31	-18328351.13	-18328350.94	0.0279	0.0220	
Jupiter	-54891-03-07	23:30 J	-18327448.76	-18327448.52	-18327448.27	0.0509	0.0103	
Saturn	-54880-09-22	09:06 J	-18323232.40	-18323232.12	-18323231.83	0.0280	0.0005	

Neptune -54868-12-08 20:23 J -18318771.71 -18318771.65 -18318771.51 0.0088 0.0085
 Neptune -54866-11-04 17:01 J -18318076.01 -18318075.79 -18318075.51 0.0088 0.0059
 Neptune -54864-09-30 11:59 J -18317380.30 -18317380.00 -18317379.67 0.0088 0.0032
 Saturn -54864-11-06 18:13 J -18317343.03 -18317342.74 -18317342.45 0.0282 0.0077
 Uranus -54863-05-05 18:28 J -18317162.99 -18317162.73 -18317162.45 0.0141 0.0032
 Neptune -54862-08-27 03:49 J -18316684.67 -18316684.34 -18316684.01 0.0088 0.0005
 Neptune -54860-07-22 15:35 J -18315989.16 -18315988.85 -18315988.52 0.0088 0.0021
 Neptune -54858-06-18 01:54 J -18315293.70 -18315293.42 -18315293.14 0.0088 0.0046
 Neptune -54856-05-13 07:54 J -18314598.34 -18314598.17 -18314597.95 0.0088 0.0071
 Jupiter -54856-12-09 13:40 J -18314388.09 -18314387.93 -18314387.76 0.0507 0.0380
 Jupiter -54838-10-23 08:52 J -18307861.34 -18307861.13 -18307860.90 0.0517 0.0362
 Uranus -54825-11-21 00:57 J -18303083.76 -18303083.46 -18303083.11 0.0138 0.0051
 Saturn -54822-12-29 08:23 J -18301950.26 -18301950.15 -18301950.02 0.0283 0.0255
 Pluto -54815-10-14 20:37 J -18299468.76 -18299468.64 -18299468.48 0.0080 0.0071
 Saturn -54805-02-10 07:11 J -18296063.39 -18296063.20 -18296062.98 0.0279 0.0207
 Jupiter -54802-08-01 22:47 J -18294794.73 -18294794.55 -18294794.36 0.0519 0.0414
 Saturn -54791-02-15 16:18 J -18290944.10 -18290943.82 -18290943.53 0.0280 0.0027
 Neptune -54786-08-27 00:13 J -18288925.63 -18288925.49 -18288925.29 0.0089 0.0072
 Neptune -54784-07-20 21:35 J -18288231.84 -18288231.60 -18288231.35 0.0089 0.0049
 Neptune -54782-06-14 20:23 J -18287537.93 -18287537.65 -18287537.36 0.0089 0.0027
 Uranus -54780-01-28 06:42 J -18286944.38 -18286944.22 -18286944.03 0.0140 0.0109
 Neptune -54780-05-08 20:23 J -18286843.95 -18286843.65 -18286843.35 0.0089 0.0003
 Uranus -54779-12-29 01:11 J -18286244.61 -18286244.45 -18286244.26 0.0141 0.0110
 Neptune -54778-04-02 22:18 J -18286149.85 -18286149.57 -18286149.26 0.0089 0.0021
 Neptune -54776-02-25 04:04 J -18285455.58 -18285455.33 -18285455.06 0.0089 0.0044
 Saturn -54775-04-01 08:23 J -18285055.42 -18285055.15 -18285054.86 0.0281 0.0095
 Neptune -54774-01-20 10:47 J -18284761.23 -18284761.05 -18284760.84 0.0089 0.0068
 Jupiter -54773-08-28 20:37 J -18284174.78 -18284174.64 -18284174.48 0.0510 0.0399
 Uranus -54740-07-18 05:01 J -18272163.60 -18272163.29 -18272162.96 0.0138 0.0047
 Jupiter -54737-06-01 12:28 J -18271114.23 -18271113.98 -18271113.74 0.0508 0.0087

Saturn -54733-05-23 10:04 J -18269662.23 -18269662.08 -18269661.92 0.0283 0.0237
 Saturn -54717-07-04 23:59 J -18263775.73 -18263775.50 -18263775.28 0.0278 0.0184
 Saturn -54703-07-10 23:30 J -18258656.81 -18258656.52 -18258656.24 0.0281 0.0029
 Neptune -54702-06-18 16:47 J -18258314.02 -18258313.80 -18258313.55 0.0088 0.0063
 Neptune -54700-05-14 11:59 J -18257618.27 -18257618.00 -18257617.67 0.0088 0.0038
 Neptune -54698-04-10 05:59 J -18256922.56 -18256922.25 -18256921.91 0.0088 0.0012
 Neptune -54696-03-05 21:35 J -18256226.92 -18256226.60 -18256226.27 0.0088 0.0015
 Uranus -54696-09-22 11:30 J -18256026.28 -18256026.02 -18256025.74 0.0140 0.0035
 Neptune -54694-01-30 08:37 J -18255531.43 -18255531.14 -18255530.84 0.0088 0.0040
 Neptune -54693-12-25 17:01 J -18254835.98 -18254835.79 -18254835.54 0.0088 0.0065
 Neptune -54691-11-20 23:16 J -18254140.53 -18254140.53 -18254140.48 0.0088 0.0088
 Saturn -54687-08-25 01:54 J -18252767.70 -18252767.42 -18252767.14 0.0281 0.0106
 Jupiter -54683-01-17 16:04 J -18251526.13 -18251525.83 -18251525.53 0.0518 0.0077
 Uranus -54657-04-06 21:21 J -18241949.73 -18241949.61 -18241949.45 0.0139 0.0126
 Saturn -54645-10-15 17:01 J -18237374.92 -18237374.79 -18237374.62 0.0284 0.0237
 Saturn -54629-11-27 20:09 J -18231487.89 -18231487.66 -18231487.41 0.0278 0.0171
 Neptune -54622-04-11 15:35 J -18229162.00 -18229161.85 -18229161.70 0.0089 0.0076
 Neptune -54620-03-05 08:52 J -18228468.33 -18228468.13 -18228467.87 0.0089 0.0054
 Jupiter -54619-11-23 10:04 J -18227840.30 -18227840.08 -18227839.85 0.0510 0.0207
 Neptune -54618-01-28 06:13 J -18227774.50 -18227774.24 -18227773.95 0.0089 0.0031
 Neptune -54617-12-22 06:28 J -18227080.52 -18227080.23 -18227079.93 0.0089 0.0008
 Neptune -54615-11-16 07:11 J -18226386.49 -18226386.20 -18226385.90 0.0089 0.0015
 Saturn -54615-12-04 00:28 J -18226368.76 -18226368.48 -18226368.20 0.0281 0.0050
 Neptune -54613-10-10 09:35 J -18225692.36 -18225692.10 -18225691.82 0.0089 0.0038
 Uranus -54611-05-17 17:45 J -18225108.01 -18225107.76 -18225107.48 0.0141 0.0043
 Neptune -54611-09-04 15:35 J -18224998.04 -18224997.85 -18224997.60 0.0089 0.0062
 Neptune -54609-07-29 23:16 J -18224303.59 -18224303.53 -18224303.42 0.0089 0.0085
 Saturn -54598-01-18 06:42 J -18220479.48 -18220479.22 -18220478.96 0.0280 0.0137
 Jupiter -54583-08-27 04:33 J -18214779.50 -18214779.31 -18214779.10 0.0508 0.0289
 Uranus -54573-12-01 19:40 J -18211030.01 -18211029.68 -18211029.34 0.0138 0.0033

Pluto -54566-01-21 07:54 J -18208788.47 -18208788.17 -18208787.86 0.0080 0.0025
 Saturn -54556-03-10 21:21 J -18205086.78 -18205086.61 -18205086.42 0.0284 0.0214
 Saturn -54540-04-23 12:42 J -18199199.22 -18199198.97 -18199198.69 0.0277 0.0132
 Neptune -54538-01-30 12:57 J -18198552.15 -18198551.96 -18198551.71 0.0088 0.0068
 Neptune -54537-12-26 11:45 J -18197856.29 -18197856.01 -18197855.70 0.0088 0.0042
 Neptune -54535-11-22 06:57 J -18197160.53 -18197160.21 -18197159.87 0.0088 0.0016
 Neptune -54533-10-17 23:30 J -18196464.84 -18196464.52 -18196464.18 0.0088 0.0010
 Neptune -54531-09-13 13:40 J -18195769.21 -18195768.93 -18195768.60 0.0088 0.0035
 Jupiter -54529-04-13 02:09 J -18195191.70 -18195191.41 -18195191.12 0.0518 0.0166
 Neptune -54529-08-09 00:28 J -18195073.70 -18195073.48 -18195073.22 0.0088 0.0059
 Uranus -54528-02-09 07:40 J -18194889.37 -18194889.18 -18194888.98 0.0140 0.0099
 Neptune -54527-07-05 07:40 J -18194378.25 -18194378.18 -18194378.02 0.0088 0.0083
 Uranus -54526-01-10 00:28 J -18194189.61 -18194189.48 -18194189.32 0.0141 0.0120
 Saturn -54526-04-28 19:25 J -18194080.96 -18194080.69 -18194080.41 0.0282 0.0059
 Saturn -54510-06-13 16:47 J -18188191.04 -18188190.80 -18188190.55 0.0281 0.0162
 Uranus -54488-07-28 18:13 J -18180110.04 -18180109.74 -18180109.42 0.0138 0.0060
 Saturn -54468-08-04 04:18 J -18172798.52 -18172798.32 -18172798.12 0.0284 0.0198
 Jupiter -54464-02-16 17:01 J -18171506.03 -18171505.79 -18171505.54 0.0509 0.0025
 Neptune -54459-11-25 04:47 J -18169398.42 -18169398.30 -18169398.15 0.0089 0.0078
 Neptune -54457-10-18 23:45 J -18168704.72 -18168704.51 -18168704.28 0.0089 0.0057
 Neptune -54455-09-12 18:42 J -18168010.99 -18168010.72 -18168010.45 0.0089 0.0035
 Neptune -54453-08-06 15:35 J -18167317.14 -18167316.85 -18167316.56 0.0089 0.0013
 Saturn -54452-09-17 07:11 J -18166910.48 -18166910.20 -18166909.91 0.0278 0.0103
 Neptune -54451-07-01 15:21 J -18166623.15 -18166622.86 -18166622.56 0.0089 0.0010
 Neptune -54449-05-25 16:47 J -18165929.08 -18165928.80 -18165928.52 0.0089 0.0032
 Neptune -54447-04-19 19:25 J -18165234.92 -18165234.69 -18165234.45 0.0089 0.0055
 Neptune -54445-03-14 01:25 J -18164540.56 -18164540.44 -18164540.28 0.0089 0.0078
 Uranus -54444-10-04 15:35 J -18163971.12 -18163970.85 -18163970.57 0.0140 0.0021
 Saturn -54438-09-22 15:49 J -18161792.11 -18161791.84 -18161791.57 0.0281 0.0095
 Jupiter -54429-11-20 05:30 J -18158445.37 -18158445.27 -18158445.16 0.0508 0.0455

Saturn -54422-11-08 07:25 J -18155901.37 -18155901.19 -18155900.98 0.0280 0.0215
 Jupiter -54411-09-28 18:42 J -18151923.94 -18151923.72 -18151923.51 0.0516 0.0366
 Uranus -54405-04-17 13:54 J -18149896.11 -18149895.92 -18149895.70 0.0139 0.0112
 Saturn -54380-12-29 09:35 J -18140509.33 -18140509.10 -18140508.87 0.0283 0.0157
 Jupiter -54375-07-07 12:57 J -18138858.17 -18138857.96 -18138857.73 0.0517 0.0361
 Neptune -54375-09-13 05:45 J -18138790.46 -18138790.26 -18138790.06 0.0088 0.0072
 Neptune -54373-08-09 05:59 J -18138094.52 -18138094.25 -18138093.95 0.0088 0.0047
 Neptune -54371-07-06 04:18 J -18137398.63 -18137398.32 -18137397.98 0.0088 0.0022
 Neptune -54369-05-31 23:16 J -18136702.86 -18136702.53 -18136702.19 0.0088 0.0004
 Neptune -54367-04-27 14:37 J -18136007.18 -18136006.89 -18136006.55 0.0088 0.0029
 Neptune -54365-03-23 04:33 J -18135311.55 -18135311.31 -18135311.02 0.0088 0.0053
 Saturn -54363-02-12 07:25 J -18134620.49 -18134620.19 -18134619.89 0.0278 0.0046
 Neptune -54363-02-16 14:37 J -18134616.01 -18134615.89 -18134615.68 0.0088 0.0077
 Uranus -54359-05-30 00:13 J -18133052.73 -18133052.49 -18133052.22 0.0141 0.0059
 Saturn -54349-02-16 20:37 J -18129502.89 -18129502.64 -18129502.38 0.0281 0.0127
 Jupiter -54346-08-09 18:42 J -18128232.88 -18128232.72 -18128232.53 0.0511 0.0364
 Saturn -54333-04-03 15:49 J -18123611.95 -18123611.84 -18123611.70 0.0281 0.0255
 Uranus -54321-12-12 21:49 J -18118975.93 -18118975.59 -18118975.25 0.0138 0.0012
 Pluto -54318-04-29 09:21 J -18118108.35 -18118108.11 -18118107.83 0.0080 0.0047
 Jupiter -54310-05-13 03:35 J -18115172.59 -18115172.35 -18115172.10 0.0510 0.0110
 Neptune -54295-07-10 19:11 J -18109634.81 -18109634.70 -18109634.58 0.0089 0.0081
 Neptune -54293-06-03 10:47 J -18108941.24 -18108941.05 -18108940.81 0.0089 0.0061
 Neptune -54291-04-28 06:13 J -18108247.49 -18108247.24 -18108246.97 0.0089 0.0040
 Saturn -54291-05-26 00:57 J -18108219.71 -18108219.46 -18108219.20 0.0283 0.0118
 Neptune -54289-03-22 02:09 J -18107553.69 -18107553.41 -18107553.11 0.0089 0.0018
 Neptune -54287-02-13 23:16 J -18106859.83 -18106859.53 -18106859.24 0.0089 0.0004
 Neptune -54285-01-08 23:30 J -18106165.79 -18106165.52 -18106165.23 0.0089 0.0027
 Neptune -54284-12-03 01:54 J -18105471.66 -18105471.42 -18105471.16 0.0089 0.0049
 Neptune -54282-10-28 04:47 J -18104777.44 -18104777.30 -18104777.09 0.0089 0.0072
 Uranus -54276-02-21 15:35 J -18102834.06 -18102833.85 -18102833.61 0.0140 0.0082

Saturn -54275-07-09 16:47 J -18102331.11 -18102330.80 -18102330.50 0.0279 0.0006
 Uranus -54274-01-22 11:01 J -18102134.06 -18102134.04 -18102133.98 0.0141 0.0140
 Saturn -54261-07-13 14:23 J -18097213.12 -18097212.90 -18097212.68 0.0280 0.0177
 Jupiter -54257-12-21 22:18 J -18095590.85 -18095590.57 -18095590.28 0.0515 0.0187
 Uranus -54236-08-09 05:59 J -18088055.49 -18088055.25 -18088054.96 0.0138 0.0088
 Saturn -54217-10-13 09:49 J -18081050.15 -18081050.09 -18081050.01 0.0276 0.0269
 Neptune -54211-04-26 19:25 J -18079028.82 -18079028.69 -18079028.48 0.0088 0.0077
 Neptune -54209-03-22 22:04 J -18078332.82 -18078332.58 -18078332.27 0.0088 0.0052
 Neptune -54207-02-16 22:18 J -18077636.87 -18077636.57 -18077636.23 0.0088 0.0027
 Neptune -54205-01-13 20:23 J -18076940.98 -18076940.65 -18076940.31 0.0088 0.0001
 Neptune -54204-12-09 14:09 J -18076245.21 -18076244.91 -18076244.57 0.0088 0.0023
 Saturn -54203-10-20 19:25 J -18075929.96 -18075929.69 -18075929.41 0.0283 0.0068
 Neptune -54202-11-05 05:16 J -18075549.55 -18075549.28 -18075548.99 0.0088 0.0047
 Neptune -54200-09-30 17:16 J -18074853.94 -18074853.78 -18074853.54 0.0088 0.0071
 Uranus -54192-10-16 23:01 J -18071915.82 -18071915.54 -18071915.26 0.0140 0.0004
 Jupiter -54192-11-01 22:04 J -18071899.80 -18071899.58 -18071899.37 0.0512 0.0249
 Saturn -54187-12-04 19:54 J -18070040.97 -18070040.67 -18070040.37 0.0279 0.0048
 Saturn -54173-12-08 13:54 J -18064923.08 -18064922.92 -18064922.74 0.0280 0.0223
 Jupiter -54156-08-05 12:28 J -18058839.20 -18058838.98 -18058838.76 0.0509 0.0233
 Uranus -54153-04-29 07:11 J -18057841.45 -18057841.20 -18057840.90 0.0139 0.0082
 Neptune -54131-02-23 08:52 J -18049871.20 -18049871.13 -18049871.02 0.0089 0.0084
 Neptune -54129-01-18 00:13 J -18049177.67 -18049177.49 -18049177.27 0.0089 0.0064
 Saturn -54128-03-10 05:01 J -18048760.45 -18048760.29 -18048760.09 0.0277 0.0225
 Neptune -54128-12-11 16:47 J -18048484.03 -18048483.80 -18048483.52 0.0089 0.0044
 Neptune -54126-11-05 11:45 J -18047790.28 -18047790.01 -18047789.71 0.0089 0.0023
 Neptune -54124-09-29 09:06 J -18047096.42 -18047096.12 -18047095.83 0.0089 0.0001
 Neptune -54122-08-24 05:59 J -18046402.53 -18046402.25 -18046401.96 0.0089 0.0021
 Neptune -54120-07-18 06:13 J -18045708.49 -18045708.24 -18045707.97 0.0089 0.0043
 Neptune -54118-06-12 09:06 J -18045014.31 -18045014.12 -18045013.91 0.0089 0.0065
 Neptune -54116-05-06 13:11 J -18044319.99 -18044319.95 -18044319.88 0.0089 0.0087

Saturn -54114-03-17 16:33 J -18043640.09 -18043639.81 -18043639.53 0.0283 0.0022
 Uranus -54107-06-11 07:25 J -18040997.42 -18040997.19 -18040996.95 0.0141 0.0075
 Jupiter -54102-03-17 03:21 J -18039257.67 -18039257.36 -18039257.05 0.0516 0.0016
 Saturn -54098-04-30 17:01 J -18037752.08 -18037751.79 -18037751.49 0.0279 0.0082
 Saturn -54084-05-04 20:37 J -18032633.73 -18032633.64 -18032633.54 0.0280 0.0264
 Uranus -54069-12-24 11:59 J -18026921.34 -18026921.00 -18026920.65 0.0138 0.0016
 Saturn -54056-06-23 16:18 J -18022356.88 -18022356.82 -18022356.72 0.0285 0.0273
 Neptune -54048-12-08 05:45 J -18019267.37 -18019267.26 -18019267.09 0.0088 0.0081
 Neptune -54046-11-04 10:47 J -18018571.31 -18018571.05 -18018570.78 0.0088 0.0056
 Neptune -54044-09-30 12:42 J -18017875.27 -18017874.97 -18017874.63 0.0088 0.0031
 Neptune -54042-08-27 12:13 J -18017179.32 -18017178.99 -18017178.65 0.0088 0.0007
 Neptune -54040-07-23 09:35 J -18016483.43 -18016483.10 -18016482.77 0.0088 0.0018
 Saturn -54040-08-03 19:25 J -18016471.90 -18016471.69 -18016471.46 0.0276 0.0192
 Neptune -54038-06-19 03:21 J -18015787.64 -18015787.36 -18015787.05 0.0088 0.0042
 Jupiter -54037-01-26 17:30 J -18015566.01 -18015565.77 -18015565.53 0.0511 0.0101
 Neptune -54036-05-14 17:30 J -18015091.97 -18015091.77 -18015091.52 0.0088 0.0065
 Neptune -54034-04-10 06:13 J -18014396.29 -18014396.24 -18014396.18 0.0088 0.0087
 Saturn -54026-08-11 12:42 J -18011351.25 -18011350.97 -18011350.69 0.0283 0.0010
 Uranus -54024-03-05 21:06 J -18010778.86 -18010778.62 -18010778.37 0.0140 0.0068
 Saturn -54010-09-24 16:18 J -18005463.09 -18005462.82 -18005462.54 0.0279 0.0114
 Jupiter -54002-10-30 06:28 J -18002505.38 -18002505.23 -18002505.05 0.0509 0.0379

54TH MILLENNIUM BCE

This is a list of transits of Mars in the 54th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Uranus -53984-08-20 15:06 J -17996001.04 -17996000.87 -17996000.65 0.0138 0.0113
Neptune -53968-10-08 22:04 J -17990107.60 -17990107.58 -17990107.48 0.0089 0.0088
Saturn -53968-11-17 00:13 J -17990068.61 -17990068.49 -17990068.36 0.0286 0.0253
Neptune -53966-09-02 13:11 J -17989414.12 -17989413.95 -17989413.74 0.0089 0.0067
Neptune -53964-07-27 05:16 J -17988720.50 -17988720.28 -17988720.01 0.0089 0.0047
Neptune -53962-06-20 22:04 J -17988026.84 -17988026.58 -17988026.28 0.0089 0.0026
Neptune -53960-05-14 17:01 J -17987333.08 -17987332.79 -17987332.50 0.0089 0.0005
Neptune -53958-04-08 14:23 J -17986639.18 -17986638.90 -17986638.60 0.0089 0.0016
Neptune -53956-03-02 11:45 J -17985945.26 -17985945.01 -17985944.72 0.0089 0.0038
Neptune -53954-01-25 12:28 J -17985251.19 -17985250.98 -17985250.75 0.0089 0.0059
Neptune -53953-12-19 15:35 J -17984556.95 -17984556.85 -17984556.70 0.0089 0.0081
Saturn -53952-12-28 08:23 J -17984183.39 -17984183.15 -17984182.90 0.0277 0.0167
Jupiter -53948-06-10 09:21 J -17982923.38 -17982923.11 -17982922.82 0.0516 0.0213
Uranus -53940-10-29 07:54 J -17979860.45 -17979860.17 -17979859.89 0.0140 0.0012
Saturn -53937-01-05 09:21 J -17979062.39 -17979062.11 -17979061.83 0.0283 0.0042
Saturn -53921-02-17 15:21 J -17973175.11 -17973174.86 -17973174.59 0.0278 0.0139
Jupiter -53919-07-19 07:54 J -17972292.30 -17972292.17 -17972292.02 0.0513 0.0417
Uranus -53901-05-10 14:09 J -17965787.21 -17965786.91 -17965786.59 0.0139 0.0060
Neptune -53884-07-21 13:54 J -17959505.98 -17959505.92 -17959505.78 0.0088 0.0085
Jupiter -53883-04-21 23:45 J -17959231.76 -17959231.51 -17959231.26 0.0511 0.0071
Neptune -53882-06-17 19:25 J -17958809.90 -17958809.69 -17958809.40 0.0088 0.0061
Neptune -53880-05-13 23:16 J -17958113.82 -17958113.53 -17958113.19 0.0088 0.0036
Saturn -53879-04-12 10:33 J -17957780.21 -17957780.06 -17957779.88 0.0286 0.0228
Neptune -53878-04-10 01:25 J -17957417.77 -17957417.44 -17957417.10 0.0088 0.0012
Neptune -53876-03-06 00:13 J -17956721.82 -17956721.49 -17956721.15 0.0088 0.0013
Neptune -53874-01-30 20:09 J -17956025.94 -17956025.66 -17956025.33 0.0088 0.0036
Neptune -53873-12-26 13:40 J -17955330.15 -17955329.93 -17955329.65 0.0088 0.0060
Neptune -53871-11-22 03:35 J -17954634.44 -17954634.35 -17954634.19 0.0088 0.0082

Saturn -53863-05-23 05:30 J -17951895.53 -17951895.27 -17951894.99 0.0275 0.0141
 Uranus -53857-07-24 02:09 J -17949641.52 -17949641.41 -17949641.29 0.0139 0.0127
 Uranus -53855-06-23 18:42 J -17948941.92 -17948941.72 -17948941.51 0.0141 0.0094
 Saturn -53849-05-29 21:35 J -17946774.87 -17946774.60 -17946774.32 0.0284 0.0048
 Saturn -53833-07-12 12:57 J -17940887.21 -17940886.96 -17940886.70 0.0278 0.0154
 Jupiter -53830-11-27 00:42 J -17939654.72 -17939654.47 -17939654.21 0.0515 0.0275
 Uranus -53816-01-05 01:25 J -17934866.76 -17934866.44 -17934866.11 0.0138 0.0043
 Neptune -53802-04-18 01:11 J -17929650.60 -17929650.45 -17929650.25 0.0089 0.0070
 Neptune -53800-03-11 15:49 J -17928957.06 -17928956.84 -17928956.59 0.0089 0.0050
 Neptune -53798-02-03 08:09 J -17928263.41 -17928263.16 -17928262.87 0.0089 0.0030
 Neptune -53797-12-28 02:09 J -17927569.70 -17927569.41 -17927569.12 0.0089 0.0009
 Neptune -53795-11-21 20:37 J -17926875.92 -17926875.64 -17926875.33 0.0089 0.0012
 Jupiter -53794-09-05 03:35 J -17926588.47 -17926588.35 -17926588.21 0.0517 0.0466
 Neptune -53793-10-15 18:42 J -17926181.99 -17926181.72 -17926181.44 0.0089 0.0032
 Saturn -53791-09-04 18:28 J -17925492.88 -17925492.73 -17925492.55 0.0286 0.0229
 Neptune -53791-09-09 17:01 J -17925488.00 -17925487.79 -17925487.53 0.0089 0.0054
 Neptune -53789-08-03 17:01 J -17924793.92 -17924793.79 -17924793.59 0.0089 0.0075
 Saturn -53775-10-16 00:42 J -17919607.75 -17919607.47 -17919607.20 0.0276 0.0127
 Uranus -53772-03-18 14:37 J -17918723.14 -17918722.89 -17918722.61 0.0140 0.0045
 Jupiter -53765-10-12 21:21 J -17915957.83 -17915957.61 -17915957.38 0.0513 0.0227
 Saturn -53761-10-22 22:33 J -17914486.84 -17914486.56 -17914486.29 0.0284 0.0068
 Saturn -53745-12-05 10:47 J -17908599.27 -17908599.05 -17908598.80 0.0277 0.0181
 Uranus -53734-09-26 06:28 J -17904652.33 -17904652.23 -17904652.06 0.0139 0.0127
 Jupiter -53729-07-16 18:42 J -17902896.92 -17902896.72 -17902896.51 0.0510 0.0277
 Neptune -53720-03-03 17:45 J -17899744.76 -17899744.76 -17899744.72 0.0088 0.0088
 Neptune -53718-01-29 01:54 J -17899048.63 -17899048.42 -17899048.16 0.0088 0.0064
 Neptune -53717-12-25 07:11 J -17898352.48 -17898352.20 -17898351.87 0.0088 0.0041
 Neptune -53715-11-21 10:47 J -17897656.38 -17897656.05 -17897655.72 0.0088 0.0017
 Neptune -53713-10-17 11:59 J -17896960.33 -17896960.00 -17896959.65 0.0088 0.0008
 Neptune -53711-09-13 10:33 J -17896264.37 -17896264.06 -17896263.74 0.0088 0.0031

Neptune -53709-08-09 05:45 J -17895568.51 -17895568.26 -17895567.98 0.0088 0.0054
 Neptune -53707-07-05 22:33 J -17894872.69 -17894872.56 -17894872.35 0.0088 0.0077
 Saturn -53702-01-28 18:42 J -17893204.91 -17893204.72 -17893204.53 0.0286 0.0209
 Uranus -53688-11-11 01:25 J -17887804.69 -17887804.44 -17887804.16 0.0140 0.0038
 Saturn -53686-03-11 06:42 J -17887319.51 -17887319.22 -17887318.93 0.0275 0.0095
 Jupiter -53675-02-20 17:16 J -17883320.09 -17883319.78 -17883319.47 0.0515 0.0024
 Saturn -53672-03-17 08:23 J -17882199.42 -17882199.15 -17882198.88 0.0284 0.0069
 Pluto -53661-07-23 00:57 J -17878053.60 -17878053.46 -17878053.24 0.0064 0.0052
 Saturn -53656-04-30 10:04 J -17876311.28 -17876311.08 -17876310.85 0.0278 0.0198
 Uranus -53649-05-23 00:28 J -17873731.81 -17873731.48 -17873731.13 0.0139 0.0020
 Neptune -53639-12-01 14:23 J -17869887.03 -17869886.90 -17869886.70 0.0089 0.0073
 Neptune -53637-10-25 04:18 J -17869193.54 -17869193.32 -17869193.08 0.0089 0.0053
 Neptune -53635-09-18 18:42 J -17868499.98 -17868499.72 -17868499.44 0.0089 0.0033
 Neptune -53633-08-12 11:30 J -17867806.30 -17867806.02 -17867805.73 0.0089 0.0013
 Neptune -53631-07-07 05:30 J -17867112.56 -17867112.27 -17867111.98 0.0089 0.0007
 Neptune -53629-05-30 23:45 J -17866418.77 -17866418.51 -17866418.21 0.0089 0.0028
 Neptune -53627-04-24 21:21 J -17865724.85 -17865724.61 -17865724.35 0.0089 0.0048
 Neptune -53625-03-18 20:37 J -17865030.80 -17865030.64 -17865030.42 0.0089 0.0069
 Saturn -53614-06-23 13:25 J -17860917.12 -17860916.94 -17860916.74 0.0287 0.0205
 Jupiter -53610-01-07 12:28 J -17859623.23 -17859622.98 -17859622.73 0.0512 0.0026
 Uranus -53605-08-05 20:37 J -17857585.80 -17857585.64 -17857585.42 0.0140 0.0103
 Uranus -53603-07-06 15:21 J -17856885.99 -17856885.86 -17856885.71 0.0141 0.0120
 Saturn -53598-08-04 11:30 J -17855031.32 -17855031.02 -17855030.72 0.0275 0.0075
 Saturn -53584-08-10 18:42 J -17849910.98 -17849910.72 -17849910.46 0.0284 0.0096
 Jupiter -53575-10-11 04:33 J -17846562.40 -17846562.31 -17846562.20 0.0511 0.0462
 Saturn -53568-09-24 10:47 J -17844022.19 -17844022.05 -17844021.89 0.0277 0.0241
 Uranus -53564-01-17 13:11 J -17842811.20 -17842810.95 -17842810.66 0.0138 0.0085
 Neptune -53555-09-11 03:21 J -17839287.56 -17839287.36 -17839287.12 0.0088 0.0069
 Neptune -53553-08-07 11:30 J -17838591.31 -17838591.02 -17838590.72 0.0088 0.0045
 Neptune -53551-07-04 16:18 J -17837895.14 -17837894.82 -17837894.48 0.0088 0.0022

Neptune -53549-05-30 18:57 J -17837199.05 -17837198.71 -17837198.37 0.0088 0.0002
 Neptune -53547-04-26 19:11 J -17836503.00 -17836502.70 -17836502.36 0.0088 0.0026
 Neptune -53545-03-22 17:16 J -17835807.03 -17835806.78 -17835806.47 0.0088 0.0049
 Neptune -53543-02-16 12:13 J -17835111.16 -17835110.99 -17835110.76 0.0088 0.0071
 Saturn -53526-11-17 07:40 J -17828628.39 -17828628.18 -17828627.95 0.0286 0.0172
 Jupiter -53521-05-16 17:16 J -17826986.06 -17826985.78 -17826985.50 0.0515 0.0195
 Uranus -53520-03-31 07:11 J -17826667.47 -17826667.20 -17826666.92 0.0140 0.0022
 Saturn -53510-12-29 23:01 J -17822741.85 -17822741.54 -17822741.23 0.0275 0.0027
 Saturn -53495-01-04 10:18 J -17817622.32 -17817622.07 -17817621.81 0.0284 0.0117
 Jupiter -53492-06-29 19:25 J -17816349.86 -17816349.69 -17816349.50 0.0514 0.0355
 Uranus -53482-10-08 14:52 J -17812597.12 -17812596.88 -17812596.59 0.0139 0.0089
 Saturn -53479-02-18 08:37 J -17811733.17 -17811733.14 -17811733.07 0.0278 0.0274
 Neptune -53475-07-17 01:11 J -17810123.58 -17810123.45 -17810123.28 0.0089 0.0075
 Neptune -53473-06-09 14:52 J -17809430.09 -17809429.88 -17809429.65 0.0089 0.0056
 Neptune -53471-05-04 05:01 J -17808736.54 -17808736.29 -17808736.01 0.0089 0.0037
 Neptune -53469-03-27 19:25 J -17808042.97 -17808042.69 -17808042.40 0.0089 0.0017
 Neptune -53467-02-19 12:28 J -17807349.27 -17807348.98 -17807348.69 0.0089 0.0003
 Neptune -53465-01-14 06:57 J -17806655.48 -17806655.21 -17806654.92 0.0089 0.0023
 Neptune -53464-12-08 02:23 J -17805961.64 -17805961.40 -17805961.13 0.0089 0.0043
 Neptune -53462-11-01 23:45 J -17805267.70 -17805267.51 -17805267.29 0.0089 0.0063
 Neptune -53460-09-26 00:13 J -17804573.58 -17804573.49 -17804573.37 0.0089 0.0083
 Jupiter -53456-04-02 07:54 J -17803289.41 -17803289.17 -17803288.93 0.0513 0.0128
 Saturn -53437-04-12 10:47 J -17796339.28 -17796339.05 -17796338.80 0.0286 0.0142
 Uranus -53436-11-23 20:09 J -17795748.90 -17795748.66 -17795748.40 0.0140 0.0061
 Saturn -53421-05-25 02:09 J -17790452.72 -17790452.41 -17790452.10 0.0276 0.0009
 Pluto -53413-10-30 02:09 J -17787372.66 -17787372.41 -17787372.10 0.0064 0.0027
 Saturn -53407-05-31 20:23 J -17785332.87 -17785332.65 -17785332.41 0.0284 0.0162
 Jupiter -53403-11-01 12:28 J -17783718.22 -17783717.98 -17783717.74 0.0512 0.0323
 Uranus -53397-06-04 00:42 J -17781676.81 -17781676.47 -17781676.13 0.0139 0.0014
 Neptune -53391-04-24 02:09 J -17779526.58 -17779526.41 -17779526.19 0.0088 0.0073

Neptune -53389-03-20 11:16 J -17778830.30 -17778830.03 -17778829.72 0.0088 0.0050
 Neptune -53387-02-14 18:57 J -17778134.01 -17778133.71 -17778133.36 0.0088 0.0027
 Neptune -53385-01-12 00:13 J -17777437.83 -17777437.49 -17777437.14 0.0088 0.0003
 Neptune -53384-12-08 01:40 J -17776741.74 -17776741.43 -17776741.08 0.0088 0.0021
 Neptune -53382-11-04 01:40 J -17776045.71 -17776045.43 -17776045.12 0.0088 0.0043
 Neptune -53380-09-29 23:30 J -17775349.73 -17775349.52 -17775349.28 0.0088 0.0065
 Neptune -53378-08-26 17:01 J -17774653.82 -17774653.79 -17774653.67 0.0088 0.0087
 Jupiter -53367-08-10 08:23 J -17770652.33 -17770652.15 -17770651.94 0.0515 0.0393
 Saturn -53363-08-29 15:06 J -17769171.96 -17769171.87 -17769171.74 0.0274 0.0256
 Uranus -53353-08-18 17:16 J -17765530.01 -17765529.78 -17765529.54 0.0139 0.0078
 Saturn -53349-09-07 02:23 J -17764049.66 -17764049.40 -17764049.14 0.0286 0.0094
 Jupiter -53338-09-23 02:23 J -17760016.62 -17760016.40 -17760016.18 0.0515 0.0233
 Saturn -53333-10-20 07:25 J -17758162.48 -17758162.19 -17758161.88 0.0276 0.0065
 Saturn -53319-10-26 16:18 J -17753043.01 -17753042.82 -17753042.63 0.0283 0.0207
 Uranus -53312-01-29 11:45 J -17750756.17 -17750756.01 -17750755.81 0.0139 0.0118
 Neptune -53311-03-01 13:11 J -17750360.05 -17750359.95 -17750359.78 0.0089 0.0078
 Neptune -53309-01-24 00:42 J -17749666.66 -17749666.47 -17749666.24 0.0089 0.0059
 Neptune -53308-12-17 14:09 J -17748973.15 -17748972.91 -17748972.64 0.0089 0.0040
 Neptune -53306-11-11 05:45 J -17748279.54 -17748279.26 -17748278.98 0.0089 0.0021
 Neptune -53304-10-04 20:09 J -17747585.95 -17747585.66 -17747585.37 0.0089 0.0002
 Jupiter -53302-06-26 17:45 J -17746955.97 -17746955.76 -17746955.54 0.0512 0.0254
 Neptune -53302-08-29 12:42 J -17746892.25 -17746891.97 -17746891.68 0.0089 0.0018
 Neptune -53300-07-23 07:25 J -17746198.44 -17746198.19 -17746197.91 0.0089 0.0038
 Neptune -53298-06-17 02:52 J -17745504.58 -17745504.38 -17745504.13 0.0089 0.0058
 Neptune -53296-05-10 23:59 J -17744810.61 -17744810.50 -17744810.33 0.0089 0.0078
 Saturn -53274-01-24 18:28 J -17736881.93 -17736881.73 -17736881.52 0.0274 0.0205
 Uranus -53268-04-13 08:52 J -17734611.40 -17734611.13 -17734610.85 0.0140 0.0008
 Saturn -53260-02-02 01:11 J -17731759.72 -17731759.45 -17731759.18 0.0285 0.0045
 Jupiter -53248-01-24 15:35 J -17727385.13 -17727384.85 -17727384.55 0.0513 0.0160
 Saturn -53244-03-16 12:28 J -17725873.25 -17725872.98 -17725872.68 0.0276 0.0106

Saturn -53230-03-23 05:16 J -17720753.39 -17720753.28 -17720753.15 0.0283 0.0253
 Uranus -53230-10-20 18:57 J -17720542.01 -17720541.71 -17720541.38 0.0139 0.0054
 Neptune -53228-12-04 21:49 J -17719765.75 -17719765.59 -17719765.42 0.0088 0.0077
 Neptune -53226-11-01 07:40 J -17719069.41 -17719069.18 -17719068.87 0.0088 0.0055
 Neptune -53224-09-27 16:33 J -17718373.11 -17718372.81 -17718372.46 0.0088 0.0031
 Neptune -53222-08-24 23:59 J -17717676.83 -17717676.50 -17717676.15 0.0088 0.0008
 Neptune -53220-07-21 04:47 J -17716980.62 -17716980.30 -17716979.95 0.0088 0.0015
 Neptune -53218-06-17 05:59 J -17716284.53 -17716284.25 -17716283.92 0.0088 0.0038
 Neptune -53216-05-13 05:01 J -17715588.50 -17715588.29 -17715588.00 0.0088 0.0060
 Neptune -53214-04-09 02:52 J -17714892.49 -17714892.38 -17714892.21 0.0088 0.0081
 Saturn -53186-06-20 18:42 J -17704592.97 -17704592.72 -17704592.47 0.0274 0.0164
 Uranus -53185-01-07 07:11 J -17704392.29 -17704392.20 -17704392.08 0.0139 0.0128
 Uranus -53184-12-07 00:28 J -17703692.68 -17703692.48 -17703692.27 0.0140 0.0094
 Jupiter -53184-12-16 15:49 J -17703683.08 -17703682.84 -17703682.59 0.0514 0.0099
 Saturn -53172-06-29 07:54 J -17699470.45 -17699470.17 -17699469.90 0.0285 0.0006
 Pluto -53164-02-06 09:21 J -17696691.41 -17696691.11 -17696690.81 0.0064 0.0015
 Saturn -53156-08-11 00:57 J -17693583.71 -17693583.46 -17693583.19 0.0277 0.0149
 Jupiter -53148-09-19 05:01 J -17690622.45 -17690622.29 -17690622.12 0.0512 0.0381
 Neptune -53148-10-15 00:13 J -17690596.60 -17690596.49 -17690596.36 0.0089 0.0080
 Neptune -53146-09-08 11:59 J -17689903.19 -17689903.00 -17689902.78 0.0089 0.0062
 Uranus -53145-06-16 13:25 J -17689621.24 -17689620.94 -17689620.61 0.0139 0.0057
 Neptune -53144-08-01 23:30 J -17689209.74 -17689209.52 -17689209.24 0.0089 0.0044
 Neptune -53142-06-26 12:42 J -17688516.23 -17688515.97 -17688515.68 0.0089 0.0025
 Neptune -53140-05-20 04:18 J -17687822.60 -17687822.32 -17687822.02 0.0089 0.0006
 Neptune -53138-04-13 19:25 J -17687128.97 -17687128.69 -17687128.39 0.0089 0.0014
 Neptune -53136-03-07 11:59 J -17686435.26 -17686435.00 -17686434.72 0.0089 0.0033
 Neptune -53134-01-30 06:57 J -17685741.42 -17685741.21 -17685740.95 0.0089 0.0053
 Neptune -53133-12-24 03:49 J -17685047.49 -17685047.34 -17685047.15 0.0089 0.0072
 Saturn -53114-10-06 07:40 J -17678187.26 -17678187.18 -17678187.07 0.0288 0.0270
 Uranus -53101-08-31 23:30 J -17673473.78 -17673473.52 -17673473.25 0.0139 0.0044

Saturn -53098-11-14 20:52 J -17672303.90 -17672303.63 -17672303.35 0.0275 0.0130
 Jupiter -53094-04-20 08:52 J -17671051.43 -17671051.13 -17671050.82 0.0513 0.0039
 Saturn -53084-11-23 17:59 J -17667181.03 -17667180.75 -17667180.48 0.0285 0.0038
 Saturn -53067-01-04 10:04 J -17661295.30 -17661295.08 -17661294.84 0.0276 0.0181
 Jupiter -53065-06-07 20:52 J -17660409.75 -17660409.63 -17660409.49 0.0516 0.0438
 Neptune -53064-07-17 16:04 J -17660004.95 -17660004.83 -17660004.67 0.0088 0.0081
 Uranus -53062-03-07 22:33 J -17659406.73 -17659406.56 -17659406.34 0.0140 0.0114
 Neptune -53062-06-14 03:06 J -17659308.60 -17659308.37 -17659308.08 0.0088 0.0059
 Neptune -53060-05-10 13:54 J -17658612.22 -17658611.92 -17658611.59 0.0088 0.0035
 Neptune -53058-04-06 22:18 J -17657915.91 -17657915.57 -17657915.23 0.0088 0.0013
 Neptune -53056-03-03 04:33 J -17657219.64 -17657219.31 -17657218.96 0.0088 0.0010
 Neptune -53054-01-28 08:37 J -17656523.43 -17656523.14 -17656522.80 0.0088 0.0033
 Neptune -53053-12-24 10:04 J -17655827.34 -17655827.08 -17655826.80 0.0088 0.0054
 Neptune -53051-11-20 08:37 J -17655131.31 -17655131.14 -17655130.95 0.0088 0.0075
 Jupiter -53029-03-11 13:11 J -17647349.20 -17647348.95 -17647348.70 0.0514 0.0052
 Saturn -53025-03-01 07:54 J -17645898.32 -17645898.17 -17645898.00 0.0288 0.0233
 Uranus -53016-04-26 12:13 J -17642555.25 -17642554.99 -17642554.71 0.0140 0.0041
 Saturn -53009-04-09 02:23 J -17640015.69 -17640015.40 -17640015.10 0.0273 0.0098

53RD MILLENNIUM BCE

This is a list of transits of Mars in the 53rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-52995-04-18	18:13	J	-17634893.01	-17634892.74	-17634892.46	0.0286	0.0053

Neptune -52984-05-30 09:49 J -17630833.16 -17630833.09 -17630832.96 0.0089 0.0083
 Neptune -52982-04-23 20:37 J -17630139.81 -17630139.64 -17630139.42 0.0089 0.0066
 Neptune -52980-03-17 08:52 J -17629446.35 -17629446.13 -17629445.86 0.0089 0.0047
 Saturn -52979-05-30 17:16 J -17629006.97 -17629006.78 -17629006.56 0.0276 0.0204
 Neptune -52978-02-08 21:21 J -17628752.87 -17628752.61 -17628752.33 0.0089 0.0028
 Uranus -52978-11-02 12:42 J -17628486.31 -17628485.97 -17628485.62 0.0139 0.0007
 Neptune -52976-01-02 10:33 J -17628059.35 -17628059.06 -17628058.78 0.0089 0.0009
 Jupiter -52976-10-05 21:06 J -17627782.76 -17627782.62 -17627782.48 0.0511 0.0448
 Neptune -52975-11-27 02:09 J -17627365.70 -17627365.41 -17627365.12 0.0089 0.0009
 Neptune -52973-10-20 18:28 J -17626672.00 -17626671.73 -17626671.45 0.0089 0.0028
 Neptune -52971-09-14 10:18 J -17625978.29 -17625978.07 -17625977.79 0.0089 0.0048
 Neptune -52969-08-08 05:45 J -17625284.42 -17625284.26 -17625284.04 0.0089 0.0067
 Neptune -52967-07-03 02:52 J -17624590.42 -17624590.38 -17624590.27 0.0089 0.0086
 Jupiter -52940-07-14 17:16 J -17614717.04 -17614716.78 -17614716.51 0.0514 0.0265
 Saturn -52937-07-25 00:42 J -17613610.63 -17613610.47 -17613610.29 0.0288 0.0228
 Uranus -52933-01-20 10:18 J -17612336.26 -17612336.07 -17612335.86 0.0139 0.0097
 Uranus -52932-12-20 01:54 J -17611636.53 -17611636.42 -17611636.29 0.0140 0.0125
 Saturn -52921-09-02 03:06 J -17607727.67 -17607727.37 -17607727.06 0.0274 0.0079
 Pluto -52916-05-16 14:52 J -17606010.19 -17606009.88 -17606009.57 0.0064 0.0002
 Jupiter -52911-09-02 04:47 J -17604075.51 -17604075.30 -17604075.09 0.0516 0.0262
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 Neptune -52897-12-21 07:54 J -17598851.45 -17598851.17 -17598850.83 0.0088 0.0041
 Neptune -52895-11-17 18:28 J -17598155.06 -17598154.73 -17598154.39 0.0088 0.0017
 Uranus -52893-06-28 23:59 J -17597565.72 -17597565.50 -17597565.24 0.0139 0.0098
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 Saturn -52849-12-18 03:21 J -17581322.53 -17581322.36 -17581322.15 0.0288 0.0207
 Saturn -52832-01-26 06:13 J -17575439.54 -17575439.24 -17575438.93 0.0273 0.0048
 Jupiter -52822-12-31 11:30 J -17571448.30 -17571448.02 -17571447.74 0.0512 0.0207
 Neptune -52820-01-12 20:09 J -17571069.72 -17571069.66 -17571069.56 0.0089 0.0086
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 Saturn -52760-05-12 14:23 J -17549035.09 -17549034.90 -17549034.71 0.0289 0.0208
 Jupiter -52757-11-26 23:01 J -17547740.79 -17547740.54 -17547740.29 0.0515 0.0050
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 Neptune -52737-10-10 01:11 J -17540483.46 -17540483.45 -17540483.36 0.0088 0.0088
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 Jupiter -52638-05-20 08:23 J -17504467.32 -17504467.15 -17504466.98 0.0517 0.0372
 Jupiter -52602-02-21 01:25 J -17491406.68 -17491406.44 -17491406.20 0.0515 0.0123
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 Jupiter -52549-09-11 04:18 J -17471845.44 -17471845.32 -17471845.17 0.0509 0.0452
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 Saturn -52465-09-12 23:01 J -17441162.75 -17441162.54 -17441162.32 0.0286 0.0183

Jupiter -52448-05-16 15:49 J -17435073.05 -17435072.84 -17435072.62 0.0515 0.0262
 Uranus -52429-02-15 18:42 J -17428223.98 -17428223.72 -17428223.44 0.0139 0.0032
 Saturn -52421-12-09 22:04 J -17425003.79 -17425003.58 -17425003.33 0.0272 0.0185
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 Jupiter -52395-12-05 12:28 J -17415512.23 -17415511.98 -17415511.72 0.0510 0.0282
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 Saturn -52053-08-01 04:33 J -17290722.57 -17290722.31 -17290722.04 0.0288 0.0081
 Jupiter -52021-04-25 08:52 J -17279132.35 -17279132.13 -17279131.90 0.0516 0.0216
 Uranus -52010-07-19 05:45 J -17275030.51 -17275030.26 -17275030.00 0.0138 0.0057

52ND MILLENNIUM BCE

This is a list of transits of Mars in the 52nd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-52000-01-18 17:45 J	-17271558.89	-17271558.76	-17271558.60	0.0089	0.0077		
Neptune	-51999-12-13 03:06 J	-17270865.55	-17270865.37	-17270865.13	0.0089	0.0060		
Neptune	-51997-11-05 14:52 J	-17270172.11	-17270171.88	-17270171.61	0.0089	0.0043		
Neptune	-51995-09-30 02:09 J	-17269478.67	-17269478.41	-17269478.13	0.0089	0.0026		
Saturn	-51995-11-07 11:45 J	-17269440.18	-17269440.01	-17269439.81	0.0290	0.0210		
Neptune	-51993-08-23 12:42 J	-17268785.25	-17268784.97	-17268784.68	0.0089	0.0009		
Neptune	-51991-07-18 00:13 J	-17268091.77	-17268091.49	-17268091.20	0.0089	0.0009		
Neptune	-51989-06-10 13:40 J	-17267398.19	-17267397.93	-17267397.64	0.0089	0.0026		
Neptune	-51987-05-05 02:23 J	-17266704.65	-17266704.40	-17266704.15	0.0089	0.0043		
Neptune	-51985-03-28 15:49 J	-17266011.02	-17266010.84	-17266010.60	0.0089	0.0060		
Neptune	-51983-02-20 07:40 J	-17265317.29	-17265317.18	-17265317.00	0.0089	0.0077		
Saturn	-51979-12-14 03:49 J	-17263559.66	-17263559.34	-17263559.02	0.0271	0.0005		
Uranus	-51970-12-19 23:59 J	-17260266.63	-17260266.50	-17260266.31	0.0140	0.0123		
Jupiter	-51968-11-09 17:01 J	-17259575.99	-17259575.79	-17259575.57	0.0508	0.0367		
Saturn	-51965-12-24 17:45 J	-17258435.02	-17258434.76	-17258434.50	0.0288	0.0083		
Jupiter	-51932-08-18 01:25 J	-17246510.69	-17246510.44	-17246510.20	0.0510	0.0311		
Uranus	-51925-03-12 16:47 J	-17244112.07	-17244111.80	-17244111.52	0.0139	0.0025		
Pluto	-51923-06-19 09:49 J	-17243283.28	-17243283.09	-17243282.84	0.0064	0.0044		
Neptune	-51917-10-06 07:11 J	-17240982.35	-17240982.20	-17240981.98	0.0088	0.0076		
Neptune	-51915-09-02 22:33 J	-17240285.81	-17240285.56	-17240285.26	0.0088	0.0055		

Neptune -51913-07-30 12:42 J -17239589.27 -17239588.97 -17239588.63 0.0088 0.0035
 Neptune -51911-06-27 02:52 J -17238892.72 -17238892.38 -17238892.03 0.0088 0.0014
 Neptune -51909-05-23 16:04 J -17238196.18 -17238195.83 -17238195.48 0.0088 0.0006
 Neptune -51907-04-20 03:35 J -17237499.68 -17237499.35 -17237499.01 0.0088 0.0027
 Saturn -51906-04-01 21:49 J -17237152.76 -17237152.59 -17237152.40 0.0290 0.0214
 Neptune -51905-03-16 14:23 J -17236803.19 -17236802.90 -17236802.61 0.0088 0.0047
 Neptune -51903-02-10 23:16 J -17236106.74 -17236106.53 -17236106.29 0.0088 0.0066
 Jupiter -51903-10-16 23:30 J -17235858.77 -17235858.52 -17235858.28 0.0518 0.0094
 Neptune -51901-01-08 05:16 J -17235410.33 -17235410.28 -17235410.16 0.0088 0.0086
 Saturn -51890-05-08 22:04 J -17231271.89 -17231271.58 -17231271.26 0.0272 0.0021
 Uranus -51887-09-09 00:42 J -17230052.77 -17230052.47 -17230052.15 0.0140 0.0060
 Saturn -51876-05-19 19:54 J -17226146.92 -17226146.67 -17226146.41 0.0288 0.0104
 Jupiter -51867-07-20 23:59 J -17222797.64 -17222797.50 -17222797.35 0.0516 0.0415
 Uranus -51843-12-06 10:33 J -17213893.20 -17213893.06 -17213892.90 0.0138 0.0116
 Uranus -51841-11-05 02:09 J -17213193.57 -17213193.41 -17213193.21 0.0139 0.0107
 Neptune -51837-09-03 09:35 J -17211795.21 -17211795.10 -17211794.92 0.0089 0.0078
 Neptune -51835-07-28 20:52 J -17211101.81 -17211101.63 -17211101.40 0.0089 0.0061
 Neptune -51833-06-21 06:28 J -17210408.46 -17210408.23 -17210407.97 0.0089 0.0045
 Saturn -51832-08-11 03:49 J -17209992.40 -17209992.34 -17209992.27 0.0270 0.0264
 Neptune -51831-05-15 17:30 J -17209715.03 -17209714.77 -17209714.49 0.0089 0.0028
 Neptune -51829-04-08 05:01 J -17209021.57 -17209021.29 -17209021.01 0.0089 0.0011
 Neptune -51827-03-02 15:35 J -17208328.13 -17208327.85 -17208327.56 0.0089 0.0006
 Neptune -51825-01-25 02:52 J -17207634.65 -17207634.38 -17207634.10 0.0089 0.0023
 Neptune -51824-12-18 16:33 J -17206941.05 -17206940.81 -17206940.54 0.0089 0.0040
 Neptune -51822-11-12 05:59 J -17206247.45 -17206247.25 -17206247.01 0.0089 0.0057
 Neptune -51820-10-05 19:54 J -17205553.80 -17205553.67 -17205553.48 0.0089 0.0074
 Saturn -51818-08-26 01:11 J -17204864.64 -17204864.45 -17204864.24 0.0290 0.0194
 Jupiter -51813-02-04 05:45 J -17203241.55 -17203241.26 -17203240.96 0.0508 0.0130
 Uranus -51802-05-06 03:06 J -17199132.68 -17199132.37 -17199132.03 0.0140 0.0042
 Saturn -51802-10-02 12:13 J -17198983.30 -17198982.99 -17198982.68 0.0271 0.0055

Saturn -51788-10-12 11:30 J -17193859.26 -17193859.02 -17193858.76 0.0289 0.0105
 Jupiter -51784-04-08 08:52 J -17192585.27 -17192585.13 -17192584.98 0.0520 0.0416
 Uranus -51758-07-31 19:54 J -17182974.93 -17182974.67 -17182974.39 0.0138 0.0036
 Neptune -51753-05-19 11:16 J -17181221.16 -17181221.03 -17181220.81 0.0088 0.0076
 Neptune -51751-04-16 02:37 J -17180524.63 -17180524.39 -17180524.09 0.0088 0.0056
 Neptune -51749-03-12 17:59 J -17179828.04 -17179827.75 -17179827.41 0.0088 0.0036
 Jupiter -51748-01-10 08:37 J -17179524.39 -17179524.14 -17179523.90 0.0519 0.0095
 Neptune -51747-02-07 08:09 J -17179131.48 -17179131.16 -17179130.80 0.0088 0.0017
 Neptune -51745-01-04 22:04 J -17178434.92 -17178434.58 -17178434.23 0.0088 0.0004
 Neptune -51744-12-01 10:33 J -17177738.37 -17177738.06 -17177737.70 0.0088 0.0025
 Saturn -51743-01-05 00:13 J -17177703.63 -17177703.49 -17177703.30 0.0270 0.0230
 Neptune -51742-10-28 22:33 J -17177041.85 -17177041.56 -17177041.26 0.0088 0.0045
 Neptune -51740-09-24 08:23 J -17176345.36 -17176345.15 -17176344.89 0.0088 0.0064
 Neptune -51738-08-21 17:16 J -17175648.86 -17175648.78 -17175648.64 0.0088 0.0084
 Saturn -51729-01-19 00:42 J -17172576.67 -17172576.47 -17172576.26 0.0290 0.0187
 Saturn -51713-02-25 16:47 J -17166695.10 -17166694.80 -17166694.49 0.0271 0.0077
 Saturn -51699-03-07 23:30 J -17161570.75 -17161570.52 -17161570.27 0.0288 0.0133
 Uranus -51673-03-25 04:47 J -17152056.56 -17152056.30 -17152056.03 0.0138 0.0045
 Neptune -51673-04-19 03:21 J -17152031.48 -17152031.36 -17152031.20 0.0089 0.0077
 Neptune -51671-03-13 13:40 J -17151338.11 -17151337.93 -17151337.70 0.0089 0.0062
 Neptune -51669-02-05 01:11 J -17150644.68 -17150644.45 -17150644.19 0.0089 0.0046
 Neptune -51668-12-29 11:16 J -17149951.29 -17149951.03 -17149950.75 0.0089 0.0029
 Neptune -51666-11-22 22:04 J -17149257.85 -17149257.58 -17149257.29 0.0089 0.0012
 Neptune -51664-10-16 10:04 J -17148564.36 -17148564.08 -17148563.79 0.0089 0.0005
 Neptune -51662-09-09 21:06 J -17147870.88 -17147870.62 -17147870.33 0.0089 0.0022
 Neptune -51660-08-03 08:23 J -17147177.39 -17147177.15 -17147176.88 0.0089 0.0039
 Jupiter -51659-04-30 19:25 J -17146906.99 -17146906.69 -17146906.39 0.0509 0.0103
 Neptune -51658-06-27 21:35 J -17146483.80 -17146483.60 -17146483.35 0.0089 0.0055
 Neptune -51656-05-21 11:59 J -17145790.15 -17145790.00 -17145789.81 0.0089 0.0071
 Saturn -51655-05-31 10:04 J -17145415.27 -17145415.08 -17145414.85 0.0270 0.0203

Neptune -51654-04-15 01:54 J -17145096.46 -17145096.42 -17145096.35 0.0089 0.0088
 Saturn -51641-06-13 21:21 J -17140287.83 -17140287.61 -17140287.38 0.0290 0.0154
 Uranus -51635-09-19 19:54 J -17137998.98 -17137998.67 -17137998.34 0.0140 0.0047
 Jupiter -51630-07-03 05:59 J -17136251.47 -17136251.25 -17136251.03 0.0521 0.0256
 Saturn -51625-07-22 06:13 J -17134405.52 -17134405.24 -17134404.95 0.0272 0.0123
 Saturn -51611-08-01 19:40 J -17129281.90 -17129281.68 -17129281.44 0.0288 0.0158
 Jupiter -51594-04-06 07:25 J -17123190.40 -17123190.19 -17123189.96 0.0518 0.0255
 Uranus -51591-12-18 21:49 J -17121837.77 -17121837.59 -17121837.37 0.0138 0.0097
 Neptune -51590-12-31 18:28 J -17121459.86 -17121459.73 -17121459.51 0.0088 0.0077
 Uranus -51589-11-17 13:40 J -17121138.02 -17121137.93 -17121137.79 0.0139 0.0127
 Neptune -51588-11-27 09:49 J -17120763.33 -17120763.09 -17120762.80 0.0088 0.0057
 Neptune -51586-10-25 00:57 J -17120066.77 -17120066.46 -17120066.13 0.0088 0.0037
 Neptune -51584-09-20 16:04 J -17119370.17 -17119369.83 -17119369.48 0.0088 0.0016
 Neptune -51582-08-18 05:59 J -17118673.59 -17118673.25 -17118672.90 0.0088 0.0004
 Neptune -51580-07-14 18:42 J -17117977.04 -17117976.72 -17117976.37 0.0088 0.0023
 Neptune -51578-06-11 06:57 J -17117280.49 -17117280.21 -17117279.88 0.0088 0.0043
 Neptune -51576-05-07 18:13 J -17116583.96 -17116583.74 -17116583.47 0.0088 0.0063
 Neptune -51574-04-04 03:49 J -17115887.44 -17115887.34 -17115887.18 0.0088 0.0081
 Saturn -51567-10-26 05:16 J -17113125.53 -17113125.28 -17113125.01 0.0271 0.0157
 Saturn -51553-11-08 05:16 J -17107998.53 -17107998.28 -17107998.03 0.0290 0.0118
 Uranus -51550-05-16 23:30 J -17107078.83 -17107078.52 -17107078.21 0.0140 0.0056
 Jupiter -51541-10-16 03:35 J -17103638.54 -17103638.35 -17103638.14 0.0506 0.0379
 Saturn -51537-12-16 05:16 J -17102116.52 -17102116.28 -17102116.01 0.0272 0.0161
 Saturn -51523-12-27 04:47 J -17096992.49 -17096992.30 -17096992.11 0.0288 0.0201
 Neptune -51510-12-03 22:18 J -17092267.68 -17092267.57 -17092267.40 0.0089 0.0078
 Neptune -51508-10-27 09:21 J -17091574.30 -17091574.11 -17091573.89 0.0089 0.0062
 Uranus -51506-08-13 07:40 J -17090919.45 -17090919.18 -17090918.89 0.0138 0.0016
 Neptune -51506-09-20 19:25 J -17090880.92 -17090880.69 -17090880.43 0.0089 0.0046
 Jupiter -51505-07-24 05:16 J -17090573.53 -17090573.28 -17090573.02 0.0508 0.0280
 Neptune -51504-08-14 06:42 J -17090187.48 -17090187.22 -17090186.94 0.0089 0.0030

Neptune -51502-07-08 17:16 J -17089494.05 -17089493.78 -17089493.49 0.0089 0.0013
 Neptune -51500-06-01 03:35 J -17088800.63 -17088800.35 -17088800.06 0.0089 0.0004
 Neptune -51498-04-25 15:21 J -17088107.13 -17088106.86 -17088106.58 0.0089 0.0020
 Neptune -51496-03-19 02:37 J -17087413.62 -17087413.39 -17087413.10 0.0089 0.0038
 Neptune -51494-02-10 14:23 J -17086720.11 -17086719.90 -17086719.65 0.0089 0.0053
 Neptune -51492-01-04 03:49 J -17086026.50 -17086026.34 -17086026.14 0.0089 0.0069
 Neptune -51491-11-28 19:11 J -17085332.76 -17085332.70 -17085332.59 0.0089 0.0085
 Saturn -51478-03-22 07:40 J -17080836.46 -17080836.18 -17080835.88 0.0270 0.0115
 Jupiter -51476-09-25 21:49 J -17079917.83 -17079917.59 -17079917.34 0.0520 0.0115
 Uranus -51467-02-03 20:23 J -17076864.75 -17076864.65 -17076864.50 0.0141 0.0130
 Saturn -51464-04-04 16:33 J -17075709.07 -17075708.81 -17075708.54 0.0290 0.0072
 Saturn -51448-05-13 06:28 J -17069826.42 -17069826.23 -17069826.03 0.0273 0.0214
 Jupiter -51440-06-29 16:18 J -17066856.99 -17066856.82 -17066856.65 0.0518 0.0378
 Saturn -51434-05-24 02:37 J -17064702.51 -17064702.39 -17064702.26 0.0288 0.0253
 Neptune -51426-08-14 02:23 J -17061698.54 -17061698.40 -17061698.19 0.0088 0.0076
 Neptune -51424-07-10 17:59 J -17061002.01 -17061001.75 -17061001.48 0.0088 0.0057
 Neptune -51422-06-07 08:37 J -17060305.44 -17060305.14 -17060304.80 0.0088 0.0037
 Uranus -51421-04-06 16:04 J -17060001.06 -17060000.83 -17060000.56 0.0139 0.0066
 Neptune -51420-05-03 23:59 J -17059608.84 -17059608.50 -17059608.15 0.0088 0.0017
 Neptune -51418-03-31 14:52 J -17058912.22 -17058911.88 -17058911.52 0.0088 0.0003
 Neptune -51416-02-25 04:47 J -17058215.62 -17058215.30 -17058214.95 0.0088 0.0023
 Neptune -51414-01-22 17:59 J -17057519.06 -17057518.75 -17057518.44 0.0088 0.0042
 Neptune -51413-12-19 05:01 J -17056822.50 -17056822.29 -17056822.00 0.0088 0.0062
 Neptune -51411-11-15 16:04 J -17056125.93 -17056125.83 -17056125.64 0.0088 0.0080
 Saturn -51390-08-17 06:13 J -17048546.55 -17048546.24 -17048545.93 0.0271 0.0064
 Jupiter -51386-01-09 11:01 J -17047305.32 -17047305.04 -17047304.77 0.0506 0.0214
 Uranus -51383-10-01 02:52 J -17045944.70 -17045944.38 -17045944.03 0.0140 0.0025
 Saturn -51376-08-30 17:59 J -17043419.02 -17043418.75 -17043418.48 0.0289 0.0015
 Saturn -51360-10-07 08:52 J -17037537.21 -17037537.13 -17037537.02 0.0272 0.0259
 Jupiter -51357-03-17 07:25 J -17036645.26 -17036645.19 -17036645.12 0.0522 0.0498

Jupiter -51351-10-17 12:42 J -17034240.11 -17034239.97 -17034239.82 0.0509 0.0444
 Neptune -51346-07-19 17:30 J -17032503.89 -17032503.77 -17032503.61 0.0089 0.0078
 Neptune -51344-06-12 05:45 J -17031810.46 -17031810.26 -17031810.05 0.0089 0.0062
 Neptune -51342-05-06 16:33 J -17031117.05 -17031116.81 -17031116.56 0.0089 0.0046
 Neptune -51340-03-30 02:23 J -17030423.66 -17030423.40 -17030423.13 0.0089 0.0030
 Uranus -51339-12-31 05:45 J -17029782.48 -17029782.26 -17029782.02 0.0138 0.0079
 Neptune -51338-02-21 13:11 J -17029730.23 -17029729.95 -17029729.67 0.0089 0.0013
 Neptune -51336-01-15 00:28 J -17029036.76 -17029036.48 -17029036.19 0.0089 0.0003
 Neptune -51335-12-09 10:33 J -17028343.33 -17028343.06 -17028342.77 0.0089 0.0019
 Neptune -51333-11-01 22:18 J -17027649.82 -17027649.57 -17027649.30 0.0089 0.0036
 Neptune -51331-09-26 10:47 J -17026956.28 -17026956.05 -17026955.81 0.0089 0.0052
 Neptune -51329-08-19 22:33 J -17026262.73 -17026262.56 -17026262.36 0.0089 0.0068
 Neptune -51327-07-14 11:01 J -17025569.11 -17025569.04 -17025568.91 0.0089 0.0084
 Jupiter -51322-12-20 04:33 J -17023584.56 -17023584.31 -17023584.06 0.0520 0.0004
 Saturn -51318-12-08 06:13 J -17022135.26 -17022135.24 -17022135.19 0.0291 0.0289
 Saturn -51301-01-11 07:11 J -17016257.52 -17016257.20 -17016256.88 0.0270 0.0018
 Uranus -51298-05-28 04:04 J -17015024.58 -17015024.33 -17015024.02 0.0140 0.0079
 Saturn -51287-01-24 18:57 J -17011129.98 -17011129.71 -17011129.44 0.0290 0.0021
 Jupiter -51286-09-23 08:09 J -17010523.17 -17010523.16 -17010523.13 0.0518 0.0515
 Neptune -51262-03-27 12:57 J -17001937.11 -17001936.96 -17001936.75 0.0088 0.0076
 Neptune -51260-02-21 03:06 J -17001240.63 -17001240.37 -17001240.10 0.0088 0.0057
 Neptune -51258-01-18 17:30 J -17000544.08 -17000543.77 -17000543.44 0.0088 0.0037
 Neptune -51257-12-15 08:23 J -16999847.48 -16999847.15 -16999846.79 0.0088 0.0018
 Neptune -51255-11-11 23:16 J -16999150.87 -16999150.53 -16999150.17 0.0088 0.0002
 Uranus -51254-08-25 12:28 J -16998864.26 -16998863.98 -16998863.70 0.0138 0.0001
 Neptune -51253-10-08 13:54 J -16998454.25 -16998453.92 -16998453.57 0.0088 0.0021
 Neptune -51251-09-05 03:35 J -16997757.63 -16997757.35 -16997757.01 0.0088 0.0041
 Neptune -51249-08-01 16:33 J -16997061.06 -16997060.81 -16997060.54 0.0088 0.0060
 Neptune -51247-06-29 03:35 J -16996364.47 -16996364.35 -16996364.16 0.0088 0.0079
 Jupiter -51232-04-03 21:49 J -16990971.89 -16990971.59 -16990971.28 0.0507 0.0045

Saturn -51229-05-02 22:33 J -16989846.67 -16989846.56 -16989846.44 0.0291 0.0263
 Uranus -51215-02-14 21:21 J -16984810.78 -16984810.61 -16984810.38 0.0141 0.0113
 Saturn -51213-06-06 08:23 J -16983968.47 -16983968.15 -16983967.83 0.0271 0.0021
 Jupiter -51203-06-10 22:18 J -16980311.75 -16980311.57 -16980311.39 0.0522 0.0361
 Saturn -51199-06-21 03:21 J -16978840.62 -16978840.36 -16978840.09 0.0289 0.0069
 Neptune -51182-03-04 13:25 J -16972740.06 -16972739.94 -16972739.78 0.0089 0.0078
 Neptune -51180-01-26 00:28 J -16972046.68 -16972046.48 -16972046.27 0.0089 0.0062
 Neptune -51179-12-20 11:45 J -16971353.23 -16971353.01 -16971352.75 0.0089 0.0046
 Neptune -51177-11-12 23:16 J -16970659.78 -16970659.53 -16970659.25 0.0089 0.0030
 Neptune -51175-10-07 09:35 J -16969966.37 -16969966.10 -16969965.80 0.0089 0.0015
 Neptune -51173-08-30 20:23 J -16969272.94 -16969272.65 -16969272.37 0.0089 0.0002
 Neptune -51171-07-25 07:54 J -16968579.44 -16968579.17 -16968578.88 0.0089 0.0019
 Uranus -51169-04-18 17:16 J -16967946.00 -16967945.78 -16967945.54 0.0138 0.0079
 Neptune -51169-06-17 18:28 J -16967885.98 -16967885.73 -16967885.46 0.0089 0.0034
 Jupiter -51167-03-15 08:37 J -16967250.37 -16967250.14 -16967249.90 0.0520 0.0175
 Neptune -51167-05-12 05:45 J -16967192.48 -16967192.26 -16967192.01 0.0089 0.0050
 Neptune -51165-04-04 18:13 J -16966498.91 -16966498.74 -16966498.53 0.0089 0.0066
 Neptune -51163-02-27 06:57 J -16965805.31 -16965805.21 -16965805.09 0.0089 0.0082
 Saturn -51155-09-09 15:21 J -16962688.92 -16962688.86 -16962688.78 0.0269 0.0263
 Saturn -51141-09-26 21:06 J -16957557.78 -16957557.62 -16957557.44 0.0291 0.0224
 Uranus -51131-10-11 17:16 J -16953891.11 -16953890.78 -16953890.44 0.0140 0.0013
 Saturn -51125-10-30 21:35 J -16951679.91 -16951679.60 -16951679.29 0.0270 0.0060
 Jupiter -51114-09-20 23:01 J -16947702.59 -16947702.54 -16947702.45 0.0505 0.0489
 Saturn -51111-11-14 01:54 J -16946552.68 -16946552.42 -16946552.15 0.0290 0.0078
 Neptune -51099-11-07 23:16 J -16942175.67 -16942175.53 -16942175.31 0.0088 0.0075
 Neptune -51097-10-04 13:25 J -16941479.18 -16941478.94 -16941478.64 0.0088 0.0056
 Neptune -51095-09-01 03:35 J -16940782.65 -16940782.35 -16940782.02 0.0088 0.0038
 Neptune -51093-07-28 18:13 J -16940086.07 -16940085.74 -16940085.38 0.0088 0.0018
 Neptune -51091-06-25 09:35 J -16939389.45 -16939389.10 -16939388.75 0.0088 0.0002
 Pluto -51091-11-07 15:49 J -16939254.17 -16939253.84 -16939253.51 0.0080 0.0003

Neptune -51089-05-21 23:59 J -16938692.83 -16938692.50 -16938692.15 0.0088 0.0021
 Neptune -51087-04-18 14:09 J -16937996.20 -16937995.91 -16937995.58 0.0088 0.0040
 Uranus -51086-01-12 05:45 J -16937727.50 -16937727.26 -16937727.00 0.0138 0.0067
 Neptune -51085-03-15 03:49 J -16937299.57 -16937299.34 -16937299.05 0.0088 0.0060
 Neptune -51083-02-09 16:18 J -16936602.96 -16936602.82 -16936602.63 0.0088 0.0078
 Jupiter -51078-06-28 19:40 J -16934637.97 -16934637.68 -16934637.39 0.0507 0.0152
 Saturn -51066-02-03 03:06 J -16930400.54 -16930400.37 -16930400.19 0.0268 0.0226
 Saturn -51052-02-19 11:59 J -16925270.16 -16925270.00 -16925269.81 0.0292 0.0223
 Jupiter -51049-09-04 14:23 J -16923977.14 -16923976.90 -16923976.66 0.0522 0.0155
 Uranus -51046-06-07 14:09 J -16922971.16 -16922970.91 -16922970.63 0.0140 0.0086
 Saturn -51036-03-25 21:35 J -16919391.90 -16919391.60 -16919391.29 0.0270 0.0082
 Saturn -51022-04-09 08:52 J -16914264.38 -16914264.13 -16914263.88 0.0290 0.0105
 Neptune -51019-10-18 08:23 J -16912976.26 -16912976.15 -16912975.98 0.0089 0.0077
 Neptune -51017-09-10 22:18 J -16912282.77 -16912282.57 -16912282.36 0.0089 0.0062
 Neptune -51015-08-05 08:23 J -16911589.37 -16911589.15 -16911588.88 0.0089 0.0046
 Jupiter -51013-06-08 19:40 J -16910915.85 -16910915.68 -16910915.49 0.0520 0.0366
 Neptune -51013-06-28 19:40 J -16910895.93 -16910895.68 -16910895.40 0.0089 0.0030
 Neptune -51011-05-23 07:11 J -16910202.47 -16910202.20 -16910201.91 0.0089 0.0015
 Neptune -51009-04-15 17:45 J -16909509.05 -16909508.76 -16909508.48 0.0089 0.0002
 Neptune -51007-03-10 03:21 J -16908815.63 -16908815.36 -16908815.07 0.0089 0.0018
 Neptune -51005-02-01 14:52 J -16908122.13 -16908121.88 -16908121.60 0.0089 0.0034
 Neptune -51004-12-26 02:09 J -16907428.63 -16907428.41 -16907428.15 0.0089 0.0050
 Uranus -51002-09-06 13:40 J -16906809.21 -16906808.93 -16906808.65 0.0138 0.0013
 Neptune -51002-11-19 13:11 J -16906735.12 -16906734.95 -16906734.73 0.0089 0.0065

51ST MILLENNIUM BCE

This is a list of transits of Mars in the 51st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-51000-10-13 02:09 J	-16906041.50	-16906041.41	-16906041.26	0.0089	0.0081		
Saturn	-50978-06-28 21:35 J	-16898112.79	-16898112.60	-16898112.39	0.0269	0.0209		
Saturn	-50964-07-15 16:18 J	-16892982.02	-16892981.82	-16892981.63	0.0291	0.0201		
Uranus	-50963-02-25 10:18 J	-16892757.27	-16892757.07	-16892756.81	0.0141	0.0103		
Jupiter	-50960-12-15 08:37 J	-16891368.39	-16891368.14	-16891367.87	0.0505	0.0266		
Saturn	-50948-08-19 07:25 J	-16887103.47	-16887103.19	-16887102.89	0.0270	0.0114		
Neptune	-50935-06-21 11:01 J	-16882414.20	-16882414.04	-16882413.82	0.0088	0.0074		
Saturn	-50934-09-01 20:09 J	-16881976.91	-16881976.66	-16881976.40	0.0290	0.0102		
Neptune	-50933-05-17 23:30 J	-16881717.75	-16881717.52	-16881717.21	0.0088	0.0057		
Pluto	-50932-09-02 07:25 J	-16881245.39	-16881245.19	-16881244.92	0.0064	0.0041		
Neptune	-50931-04-14 13:54 J	-16881021.21	-16881020.92	-16881020.58	0.0088	0.0037		
Jupiter	-50930-02-25 18:13 J	-16880703.82	-16880703.74	-16880703.64	0.0524	0.0487		
Neptune	-50929-03-11 04:18 J	-16880324.65	-16880324.32	-16880323.97	0.0088	0.0018		
Neptune	-50927-02-05 18:42 J	-16879628.07	-16879627.72	-16879627.37	0.0088	0.0001		
Neptune	-50925-01-03 09:35 J	-16878931.43	-16878931.10	-16878930.75	0.0088	0.0020		
Jupiter	-50924-09-22 21:49 J	-16878302.76	-16878302.59	-16878302.41	0.0507	0.0409		
Neptune	-50924-11-29 23:59 J	-16878234.79	-16878234.50	-16878234.17	0.0088	0.0040		
Neptune	-50922-10-27 13:54 J	-16877538.15	-16877537.92	-16877537.63	0.0088	0.0059		
Neptune	-50920-09-23 04:18 J	-16876841.48	-16876841.32	-16876841.14	0.0088	0.0077		
Uranus	-50919-06-01 00:57 J	-16876590.52	-16876590.46	-16876590.35	0.0137	0.0132		
Uranus	-50917-04-30 21:06 J	-16875890.80	-16875890.62	-16875890.39	0.0138	0.0095		
Jupiter	-50895-11-30 01:11 J	-16867642.71	-16867642.45	-16867642.20	0.0522	0.0043		
Saturn	-50890-11-22 10:33 J	-16865824.29	-16865824.06	-16865823.81	0.0269	0.0179		
Uranus	-50879-10-22 13:40 J	-16861837.26	-16861836.93	-16861836.59	0.0140	0.0002		
Saturn	-50876-12-08 06:42 J	-16860694.40	-16860694.22	-16860694.02	0.0292	0.0202		

Saturn -50859-01-12 02:23 J -16854815.67 -16854815.40 -16854815.11 0.0270 0.0131
 Neptune -50855-06-03 03:49 J -16853212.47 -16853212.34 -16853212.19 0.0089 0.0077
 Neptune -50853-04-26 16:04 J -16852519.02 -16852518.83 -16852518.61 0.0089 0.0062
 Neptune -50851-03-21 05:01 J -16851825.52 -16851825.29 -16851825.03 0.0089 0.0046
 Neptune -50849-02-12 16:18 J -16851132.08 -16851131.82 -16851131.54 0.0089 0.0030
 Neptune -50847-01-06 03:06 J -16850438.65 -16850438.37 -16850438.09 0.0089 0.0014
 Neptune -50846-11-30 14:52 J -16849745.16 -16849744.88 -16849744.59 0.0089 0.0003
 Saturn -50845-01-26 01:11 J -16849688.68 -16849688.45 -16849688.20 0.0290 0.0124
 Neptune -50844-10-24 01:54 J -16849051.69 -16849051.42 -16849051.13 0.0089 0.0017
 Neptune -50842-09-17 11:45 J -16848358.26 -16848358.01 -16848357.73 0.0089 0.0033
 Neptune -50840-08-10 23:01 J -16847664.76 -16847664.54 -16847664.29 0.0089 0.0049
 Neptune -50838-07-05 10:47 J -16846971.22 -16846971.05 -16846970.82 0.0089 0.0064
 Neptune -50836-05-28 21:35 J -16846277.70 -16846277.60 -16846277.44 0.0089 0.0080
 Uranus -50834-01-24 08:23 J -16845672.40 -16845672.15 -16845671.88 0.0138 0.0052
 Jupiter -50805-03-11 04:33 J -16835033.61 -16835033.31 -16835033.01 0.0505 0.0026
 Saturn -50801-04-16 08:23 J -16833536.40 -16833536.15 -16833535.88 0.0269 0.0160
 Uranus -50794-06-18 16:47 J -16830917.00 -16830916.80 -16830916.57 0.0140 0.0107
 Saturn -50787-05-03 17:16 J -16828405.98 -16828405.78 -16828405.56 0.0291 0.0178
 Jupiter -50776-05-21 21:21 J -16824369.81 -16824369.61 -16824369.40 0.0524 0.0307
 Neptune -50771-02-01 23:59 J -16822652.68 -16822652.50 -16822652.30 0.0088 0.0074
 Saturn -50771-06-08 03:35 J -16822526.59 -16822526.35 -16822526.09 0.0270 0.0169
 Neptune -50770-12-30 11:59 J -16821956.25 -16821956.00 -16821955.71 0.0088 0.0056
 Neptune -50768-11-26 00:57 J -16821259.75 -16821259.46 -16821259.12 0.0088 0.0037
 Neptune -50766-10-23 15:06 J -16820563.19 -16820562.87 -16820562.51 0.0088 0.0018
 Neptune -50764-09-19 05:59 J -16819866.60 -16819866.25 -16819865.90 0.0088 0.0001
 Neptune -50762-08-16 19:40 J -16819170.01 -16819169.68 -16819169.32 0.0088 0.0020
 Neptune -50760-07-13 10:04 J -16818473.37 -16818473.08 -16818472.74 0.0088 0.0039
 Neptune -50758-06-10 00:57 J -16817776.72 -16817776.46 -16817776.19 0.0088 0.0058
 Saturn -50757-06-20 07:54 J -16817400.40 -16817400.17 -16817399.92 0.0290 0.0137
 Neptune -50756-05-06 13:54 J -16817080.06 -16817079.92 -16817079.71 0.0088 0.0076

Uranus -50750-09-18 14:09 J -16814754.18 -16814753.91 -16814753.63 0.0138 0.0028
 Jupiter -50740-02-23 07:11 J -16811308.43 -16811308.20 -16811307.97 0.0521 0.0222
 Saturn -50713-09-10 16:47 J -16801247.07 -16801246.80 -16801246.50 0.0269 0.0121
 Uranus -50711-03-08 16:04 J -16800703.09 -16800702.83 -16800702.54 0.0141 0.0082
 Saturn -50699-09-27 11:30 J -16796117.23 -16796117.02 -16796116.78 0.0291 0.0154
 Neptune -50691-01-16 22:47 J -16793448.68 -16793448.55 -16793448.38 0.0089 0.0076
 Neptune -50690-12-11 11:30 J -16792755.20 -16792755.02 -16792754.78 0.0089 0.0062
 Neptune -50688-11-04 00:13 J -16792061.73 -16792061.49 -16792061.24 0.0089 0.0046
 Jupiter -50687-08-28 07:11 J -16791764.30 -16791764.20 -16791764.07 0.0503 0.0462
 Neptune -50686-09-28 12:42 J -16791368.22 -16791367.97 -16791367.69 0.0089 0.0031
 Neptune -50684-08-22 00:57 J -16790674.74 -16790674.46 -16790674.18 0.0089 0.0015
 Pluto -50684-12-11 19:40 J -16790562.98 -16790562.68 -16790562.38 0.0064 0.0012
 Saturn -50683-11-01 15:49 J -16790238.05 -16790237.84 -16790237.62 0.0270 0.0199
 Neptune -50682-07-16 10:47 J -16789981.33 -16789981.05 -16789980.76 0.0089 0.0002
 Neptune -50680-06-08 22:04 J -16789287.85 -16789287.58 -16789287.29 0.0089 0.0017
 Neptune -50678-05-03 09:06 J -16788594.37 -16788594.12 -16788593.84 0.0089 0.0033
 Neptune -50676-03-26 18:57 J -16787900.92 -16787900.71 -16787900.44 0.0089 0.0049
 Neptune -50674-02-18 05:45 J -16787207.43 -16787207.26 -16787207.03 0.0089 0.0063
 Neptune -50672-01-11 18:13 J -16786513.84 -16786513.74 -16786513.57 0.0089 0.0079
 Saturn -50669-11-14 07:54 J -16785111.37 -16785111.17 -16785110.94 0.0290 0.0174
 Uranus -50667-06-12 23:30 J -16784535.65 -16784535.52 -16784535.38 0.0137 0.0120
 Uranus -50665-05-12 18:57 J -16783835.88 -16783835.71 -16783835.53 0.0138 0.0107
 Jupiter -50651-06-04 23:16 J -16778699.81 -16778699.53 -16778699.24 0.0505 0.0167
 Uranus -50627-11-02 14:09 J -16769783.24 -16769782.91 -16769782.57 0.0140 0.0019
 Saturn -50624-02-04 11:30 J -16768958.32 -16768958.02 -16768957.71 0.0269 0.0083
 Jupiter -50622-08-15 19:25 J -16768035.93 -16768035.69 -16768035.45 0.0523 0.0147
 Saturn -50610-02-21 16:33 J -16763828.05 -16763827.81 -16763827.56 0.0291 0.0113
 Neptune -50608-09-15 11:45 J -16762891.17 -16762891.01 -16762890.78 0.0088 0.0073
 Neptune -50606-08-12 23:01 J -16762194.78 -16762194.54 -16762194.24 0.0088 0.0055
 Neptune -50604-07-09 11:59 J -16761498.30 -16761498.00 -16761497.67 0.0088 0.0037

Neptune -50602-06-06 01:11 J -16760801.78 -16760801.45 -16760801.09 0.0088 0.0018
 Neptune -50600-05-02 15:35 J -16760105.20 -16760104.85 -16760104.50 0.0088 0.0001
 Neptune -50598-03-30 05:59 J -16759408.58 -16759408.25 -16759407.90 0.0088 0.0020
 Neptune -50596-02-23 20:09 J -16758711.96 -16758711.66 -16758711.33 0.0088 0.0039
 Neptune -50594-01-21 10:18 J -16758015.31 -16758015.07 -16758014.78 0.0088 0.0057
 Saturn -50594-03-29 13:11 J -16757948.05 -16757947.95 -16757947.81 0.0271 0.0250
 Neptune -50593-12-18 00:57 J -16757318.62 -16757318.46 -16757318.26 0.0088 0.0075
 Jupiter -50586-05-19 20:09 J -16754974.83 -16754974.66 -16754974.47 0.0522 0.0361
 Uranus -50582-02-05 04:04 J -16753617.59 -16753617.33 -16753617.05 0.0138 0.0042
 Saturn -50580-04-10 22:04 J -16752821.76 -16752821.58 -16752821.41 0.0289 0.0219
 Uranus -50542-06-29 10:18 J -16738863.21 -16738863.07 -16738862.86 0.0140 0.0120
 Saturn -50536-07-02 11:01 J -16736668.36 -16736668.04 -16736667.72 0.0270 0.0031
 Jupiter -50533-11-20 18:57 J -16735430.96 -16735430.71 -16735430.47 0.0503 0.0292
 Neptune -50528-09-01 15:35 J -16733684.97 -16733684.85 -16733684.67 0.0089 0.0076
 Neptune -50526-07-27 06:28 J -16732991.41 -16732991.23 -16732990.99 0.0089 0.0061
 Neptune -50524-06-19 20:09 J -16732297.89 -16732297.66 -16732297.40 0.0089 0.0046
 Neptune -50522-05-14 07:54 J -16731604.43 -16731604.17 -16731603.89 0.0089 0.0030
 Saturn -50522-07-19 15:06 J -16731538.13 -16731537.87 -16731537.61 0.0291 0.0058
 Neptune -50520-04-06 20:09 J -16730910.94 -16730910.66 -16730910.38 0.0089 0.0015
 Neptune -50518-03-01 08:23 J -16730217.43 -16730217.15 -16730216.86 0.0089 0.0002
 Neptune -50516-01-22 18:28 J -16729524.01 -16729523.73 -16729523.45 0.0089 0.0017
 Neptune -50515-12-17 05:16 J -16728830.53 -16728830.28 -16728830.00 0.0089 0.0033
 Neptune -50513-11-09 17:16 J -16728137.01 -16728136.78 -16728136.53 0.0089 0.0047
 Neptune -50511-10-04 03:49 J -16727443.53 -16727443.34 -16727443.13 0.0089 0.0063
 Neptune -50509-08-27 13:54 J -16726750.03 -16726749.92 -16726749.75 0.0089 0.0078
 Uranus -50498-09-30 11:16 J -16722699.30 -16722699.03 -16722698.75 0.0138 0.0038
 Jupiter -50497-08-28 08:37 J -16722366.36 -16722366.14 -16722365.91 0.0505 0.0330
 Saturn -50492-09-05 08:09 J -16720532.26 -16720532.16 -16720532.04 0.0289 0.0264
 Jupiter -50468-11-08 00:13 J -16711702.74 -16711702.49 -16711702.24 0.0524 0.0032
 Uranus -50459-03-19 09:49 J -16708649.35 -16708649.09 -16708648.77 0.0141 0.0071

Saturn -50448-11-26 15:49 J -16704379.16 -16704378.84 -16704378.52 0.0269 0.0019
 Neptune -50444-04-29 03:21 J -16703129.54 -16703129.36 -16703129.14 0.0088 0.0072
 Neptune -50442-03-26 12:13 J -16702433.24 -16702432.99 -16702432.69 0.0088 0.0054
 Neptune -50440-02-19 23:16 J -16701736.82 -16701736.53 -16701736.19 0.0088 0.0036
 Neptune -50438-01-17 12:13 J -16701040.33 -16701039.99 -16701039.64 0.0088 0.0017
 Neptune -50437-12-14 01:40 J -16700343.78 -16700343.43 -16700343.08 0.0088 0.0001
 Neptune -50435-11-10 15:06 J -16699647.20 -16699646.87 -16699646.52 0.0088 0.0020
 Saturn -50434-12-13 22:18 J -16699248.84 -16699248.57 -16699248.30 0.0291 0.0016
 Neptune -50433-10-07 05:59 J -16698950.56 -16698950.25 -16698949.93 0.0088 0.0039
 Jupiter -50432-08-12 09:06 J -16698641.19 -16698641.12 -16698641.03 0.0521 0.0492
 Neptune -50431-09-03 19:25 J -16698253.92 -16698253.69 -16698253.39 0.0088 0.0057
 Neptune -50429-07-31 09:21 J -16697557.25 -16697557.11 -16697556.89 0.0088 0.0075
 Uranus -50415-06-24 20:52 J -16692480.78 -16692480.63 -16692480.43 0.0138 0.0109
 Uranus -50413-05-24 18:42 J -16691780.84 -16691780.72 -16691780.56 0.0139 0.0120
 Saturn -50389-03-01 10:04 J -16683099.14 -16683099.08 -16683098.97 0.0268 0.0260
 Jupiter -50378-02-14 00:42 J -16679097.76 -16679097.47 -16679097.18 0.0503 0.0140
 Uranus -50375-11-13 12:13 J -16677729.31 -16677728.99 -16677728.66 0.0140 0.0035
 Neptune -50364-04-17 08:52 J -16673921.25 -16673921.13 -16673920.95 0.0089 0.0076
 Neptune -50362-03-11 23:30 J -16673227.72 -16673227.52 -16673227.30 0.0089 0.0061
 Neptune -50360-02-02 13:40 J -16672534.16 -16672533.93 -16672533.67 0.0089 0.0046
 Saturn -50359-04-23 03:49 J -16672089.65 -16672089.34 -16672089.03 0.0270 0.0066
 Neptune -50359-12-28 02:52 J -16671840.63 -16671840.38 -16671840.09 0.0089 0.0031
 Neptune -50357-11-20 15:06 J -16671147.15 -16671146.87 -16671146.58 0.0089 0.0014
 Neptune -50355-10-15 02:52 J -16670453.66 -16670453.38 -16670453.09 0.0089 0.0002
 Neptune -50353-09-07 15:06 J -16669760.14 -16669759.87 -16669759.58 0.0089 0.0017
 Neptune -50351-08-02 01:25 J -16669066.69 -16669066.44 -16669066.15 0.0089 0.0032
 Jupiter -50349-04-29 04:47 J -16668430.44 -16668430.30 -16668430.14 0.0526 0.0425
 Neptune -50349-06-25 11:59 J -16668373.22 -16668373.00 -16668372.74 0.0089 0.0047
 Neptune -50347-05-19 23:30 J -16667679.69 -16667679.52 -16667679.29 0.0089 0.0063
 Neptune -50345-04-12 11:01 J -16666986.18 -16666986.04 -16666985.89 0.0089 0.0077

Saturn -50345-05-09 16:33 J -16666959.08 -16666958.81 -16666958.54 0.0290 0.0042
 Jupiter -50343-11-21 08:52 J -16666033.23 -16666033.13 -16666033.02 0.0505 0.0472
 Uranus -50330-02-17 06:13 J -16661562.52 -16661562.24 -16661561.96 0.0138 0.0027
 Jupiter -50313-02-01 21:21 J -16655368.85 -16655368.61 -16655368.36 0.0523 0.0126
 Saturn -50301-07-26 12:42 J -16650810.14 -16650809.97 -16650809.76 0.0269 0.0219
 Saturn -50287-08-16 20:52 J -16645675.76 -16645675.63 -16645675.48 0.0292 0.0248
 Neptune -50282-01-14 09:35 J -16644064.10 -16644064.10 -16644064.05 0.0088 0.0088
 Neptune -50281-12-10 16:47 J -16643368.01 -16643367.80 -16643367.60 0.0088 0.0071
 Neptune -50279-11-07 00:57 J -16642671.70 -16642671.46 -16642671.15 0.0088 0.0054
 Neptune -50277-10-03 10:47 J -16641975.35 -16641975.05 -16641974.72 0.0088 0.0036
 Neptune -50275-08-30 22:04 J -16641278.91 -16641278.58 -16641278.23 0.0088 0.0017
 Neptune -50273-07-27 11:01 J -16640582.38 -16640582.04 -16640581.69 0.0088 0.0002
 Neptune -50271-06-24 00:28 J -16639885.81 -16639885.48 -16639885.13 0.0088 0.0020
 Saturn -50271-09-17 00:28 J -16639800.77 -16639800.48 -16639800.18 0.0269 0.0112
 Neptune -50269-05-20 14:37 J -16639189.20 -16639188.89 -16639188.57 0.0088 0.0039
 Neptune -50267-04-17 04:47 J -16638492.54 -16638492.30 -16638492.00 0.0088 0.0057
 Neptune -50265-03-13 19:54 J -16637795.85 -16637795.67 -16637795.49 0.0088 0.0075
 Saturn -50257-10-03 02:23 J -16634670.66 -16634670.40 -16634670.14 0.0291 0.0062
 Uranus -50246-10-12 13:40 J -16630644.18 -16630643.93 -16630643.66 0.0138 0.0054
 Jupiter -50224-05-09 13:25 J -16622764.24 -16622763.94 -16622763.64 0.0503 0.0030
 Saturn -50213-12-20 07:11 J -16618521.43 -16618521.20 -16618520.94 0.0268 0.0177
 Uranus -50207-03-31 00:28 J -16616594.78 -16616594.48 -16616594.15 0.0141 0.0045
 Neptune -50201-11-30 23:30 J -16614157.66 -16614157.52 -16614157.35 0.0089 0.0076
 Neptune -50199-10-25 16:47 J -16613464.00 -16613463.80 -16613463.58 0.0089 0.0061
 Saturn -50198-01-09 21:21 J -16613387.75 -16613387.61 -16613387.45 0.0292 0.0239
 Neptune -50197-09-18 07:11 J -16612770.43 -16612770.20 -16612769.94 0.0089 0.0045
 Jupiter -50195-07-24 15:21 J -16612096.08 -16612095.86 -16612095.63 0.0525 0.0231
 Neptune -50195-08-12 21:21 J -16612076.88 -16612076.61 -16612076.34 0.0089 0.0030
 Neptune -50193-07-06 10:33 J -16611383.33 -16611383.06 -16611382.77 0.0089 0.0015
 Neptune -50191-05-30 22:33 J -16610689.84 -16610689.56 -16610689.27 0.0089 0.0002

Neptune -50189-04-23 09:35 J -16609996.38 -16609996.10 -16609995.82 0.0089 0.0017
 Neptune -50187-03-17 21:21 J -16609302.87 -16609302.61 -16609302.34 0.0089 0.0032
 Neptune -50185-02-09 08:09 J -16608609.38 -16608609.16 -16608608.89 0.0089 0.0047
 Neptune -50183-01-02 18:42 J -16607915.92 -16607915.72 -16607915.51 0.0089 0.0062
 Saturn -50182-02-10 09:06 J -16607512.39 -16607512.12 -16607511.84 0.0270 0.0140
 Neptune -50182-11-27 05:59 J -16607222.37 -16607222.25 -16607222.07 0.0089 0.0077
 Saturn -50168-02-26 19:40 J -16602381.92 -16602381.68 -16602381.42 0.0291 0.0099
 Uranus -50163-07-06 23:30 J -16600425.73 -16600425.52 -16600425.31 0.0138 0.0094
 Uranus -50161-06-05 20:37 J -16599725.67 -16599725.64 -16599725.55 0.0139 0.0136
 Jupiter -50159-04-28 02:52 J -16599034.58 -16599034.38 -16599034.17 0.0523 0.0304
 Saturn -50124-05-15 08:23 J -16586233.40 -16586233.15 -16586232.87 0.0268 0.0155
 Uranus -50123-11-25 01:40 J -16585674.72 -16585674.43 -16585674.11 0.0140 0.0060
 Neptune -50119-08-28 01:40 J -16584302.48 -16584302.43 -16584302.36 0.0088 0.0087
 Neptune -50117-07-24 06:13 J -16583606.41 -16583606.24 -16583605.99 0.0088 0.0070
 Neptune -50115-06-20 13:25 J -16582910.20 -16582909.94 -16582909.64 0.0088 0.0053
 Neptune -50113-05-16 22:47 J -16582213.86 -16582213.55 -16582213.22 0.0088 0.0035
 Neptune -50111-04-13 08:52 J -16581517.47 -16581517.13 -16581516.79 0.0088 0.0017
 Saturn -50110-06-05 08:23 J -16581099.33 -16581099.15 -16581098.96 0.0292 0.0211
 Neptune -50109-03-09 19:40 J -16580821.02 -16580820.68 -16580820.33 0.0088 0.0002
 Neptune -50107-02-04 07:54 J -16580124.49 -16580124.17 -16580123.81 0.0088 0.0021
 Jupiter -50106-10-27 10:33 J -16579494.26 -16579494.06 -16579493.86 0.0501 0.0368
 Neptune -50105-01-01 21:49 J -16579427.89 -16579427.59 -16579427.27 0.0088 0.0038
 Neptune -50104-11-28 11:59 J -16578731.26 -16578731.00 -16578730.73 0.0088 0.0057
 Neptune -50102-10-26 02:23 J -16578034.58 -16578034.40 -16578034.21 0.0088 0.0075
 Pluto -50099-01-20 11:30 J -16577217.35 -16577217.02 -16577216.68 0.0080 0.0007
 Saturn -50094-07-06 21:21 J -16575223.85 -16575223.61 -16575223.36 0.0269 0.0174
 Saturn -50080-07-22 10:18 J -16570094.32 -16570094.07 -16570093.81 0.0291 0.0098
 Uranus -50078-03-01 05:30 J -16569507.55 -16569507.27 -16569506.98 0.0138 0.0014
 Jupiter -50070-08-04 10:33 J -16566429.31 -16566429.06 -16566428.80 0.0504 0.0268
 Jupiter -50041-10-18 01:54 J -16555761.67 -16555761.42 -16555761.17 0.0526 0.0034

Uranus -50040-08-15 06:42 J -16555460.33 -16555460.22 -16555460.08 0.0141 0.0131
 Neptune -50037-07-16 13:40 J -16554394.06 -16554393.93 -16554393.75 0.0089 0.0075
 Saturn -50036-10-08 22:18 J -16553944.85 -16553944.57 -16553944.28 0.0268 0.0122
 Neptune -50035-06-10 06:13 J -16553700.44 -16553700.24 -16553700.01 0.0089 0.0060
 Neptune -50033-05-03 22:33 J -16553006.79 -16553006.56 -16553006.29 0.0089 0.0046
 Neptune -50031-03-28 13:11 J -16552313.20 -16552312.95 -16552312.66 0.0089 0.0030
 Neptune -50029-02-20 02:37 J -16551619.67 -16551619.39 -16551619.10 0.0089 0.0014
 Neptune -50027-01-13 16:04 J -16550926.11 -16550925.83 -16550925.54 0.0089 0.0002
 Neptune -50026-12-08 04:18 J -16550232.60 -16550232.32 -16550232.03 0.0089 0.0017
 Neptune -50024-10-31 15:21 J -16549539.11 -16549538.86 -16549538.57 0.0089 0.0032
 Neptune -50022-09-25 03:06 J -16548845.60 -16548845.37 -16548845.12 0.0089 0.0047
 Saturn -50022-10-28 21:21 J -16548811.78 -16548811.61 -16548811.42 0.0292 0.0215
 Neptune -50020-08-18 14:52 J -16548152.07 -16548151.88 -16548151.65 0.0089 0.0061
 Neptune -50018-07-13 00:28 J -16547458.59 -16547458.48 -16547458.30 0.0089 0.0076
 Saturn -50006-11-29 15:35 J -16542936.07 -16542935.85 -16542935.62 0.0269 0.0192
 Jupiter -50005-07-22 16:04 J -16542699.90 -16542699.83 -16542699.75 0.0523 0.0498

50TH MILLENNIUM BCE

This is a list of transits of Mars in the 50th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-49994-10-24 14:52 J	-16538589.12	-16538588.88	-16538588.63	0.0138	0.0067		
Saturn	-49992-12-15 15:06 J	-16537806.11	-16537805.87	-16537805.62	0.0291	0.0119		
Neptune	-49955-04-10 15:49 J	-16524540.87	-16524540.84	-16524540.72	0.0088	0.0087		

Uranus -49955-04-11 06:28 J -16524540.55 -16524540.23 -16524539.90 0.0141 0.0027
 Neptune -49953-03-06 19:40 J -16523844.86 -16523844.68 -16523844.44 0.0088 0.0070
 Jupiter -49951-01-21 08:37 J -16523159.42 -16523159.14 -16523158.85 0.0502 0.0133
 Neptune -49951-02-01 01:25 J -16523148.69 -16523148.44 -16523148.14 0.0088 0.0052
 Neptune -49950-12-29 08:52 J -16522452.43 -16522452.13 -16522451.80 0.0088 0.0035
 Neptune -49948-11-24 18:13 J -16521756.07 -16521755.74 -16521755.39 0.0088 0.0016
 Saturn -49947-03-03 15:49 J -16521657.13 -16521656.84 -16521656.53 0.0268 0.0106
 Neptune -49946-10-22 05:01 J -16521059.64 -16521059.29 -16521058.95 0.0088 0.0002
 Neptune -49944-09-17 15:49 J -16520363.17 -16520362.84 -16520362.49 0.0088 0.0020
 Neptune -49942-08-15 04:33 J -16519666.61 -16519666.31 -16519665.98 0.0088 0.0039
 Pluto -49941-11-18 18:57 J -16519204.97 -16519204.71 -16519204.41 0.0064 0.0021
 Neptune -49940-07-11 18:28 J -16518969.99 -16518969.73 -16518969.46 0.0088 0.0057
 Neptune -49938-06-08 08:09 J -16518273.32 -16518273.16 -16518272.95 0.0088 0.0075
 Saturn -49933-03-23 02:23 J -16516523.58 -16516523.40 -16516523.19 0.0292 0.0195
 Jupiter -49922-04-09 18:57 J -16512488.88 -16512488.71 -16512488.54 0.0528 0.0389
 Saturn -49917-04-24 10:18 J -16510647.22 -16510647.07 -16510646.88 0.0269 0.0226
 Jupiter -49916-10-28 18:57 J -16510094.77 -16510094.71 -16510094.62 0.0503 0.0485
 Uranus -49911-07-19 00:13 J -16508370.70 -16508370.49 -16508370.24 0.0137 0.0081
 Saturn -49903-05-10 11:30 J -16505518.26 -16505518.02 -16505517.78 0.0291 0.0123
 Jupiter -49886-01-12 14:37 J -16499427.13 -16499426.89 -16499426.65 0.0525 0.0164
 Neptune -49873-03-01 02:23 J -16494630.53 -16494630.40 -16494630.22 0.0089 0.0075
 Neptune -49871-01-23 20:09 J -16493936.85 -16493936.66 -16493936.42 0.0089 0.0060
 Uranus -49871-12-06 09:21 J -16493620.37 -16493620.11 -16493619.82 0.0141 0.0079
 Neptune -49870-12-18 11:59 J -16493243.23 -16493243.00 -16493242.73 0.0089 0.0045
 Neptune -49868-11-11 04:18 J -16492549.59 -16492549.32 -16492549.04 0.0089 0.0030
 Neptune -49866-10-05 19:40 J -16491855.96 -16491855.68 -16491855.39 0.0089 0.0014
 Neptune -49864-08-29 08:23 J -16491162.44 -16491162.15 -16491161.86 0.0089 0.0001
 Neptune -49862-07-23 21:35 J -16490468.88 -16490468.60 -16490468.32 0.0089 0.0017
 Neptune -49860-06-16 09:21 J -16489775.36 -16489775.11 -16489774.82 0.0089 0.0032
 Saturn -49859-07-28 15:49 J -16489368.14 -16489367.84 -16489367.52 0.0269 0.0071

Neptune -49858-05-10 20:37 J -16489081.88 -16489081.64 -16489081.39 0.0089 0.0047
 Neptune -49856-04-03 06:57 J -16488388.39 -16488388.21 -16488387.98 0.0089 0.0062
 Neptune -49854-02-25 18:57 J -16487694.84 -16487694.71 -16487694.54 0.0089 0.0076
 Saturn -49845-08-16 08:52 J -16484235.32 -16484235.13 -16484234.91 0.0292 0.0182
 Saturn -49829-09-17 12:42 J -16478359.08 -16478358.97 -16478358.84 0.0269 0.0250
 Uranus -49826-03-13 13:25 J -16477452.23 -16477451.94 -16477451.66 0.0138 0.0004
 Saturn -49815-10-04 01:40 J -16473229.65 -16473229.43 -16473229.19 0.0291 0.0151
 Jupiter -49797-04-16 12:57 J -16466825.25 -16466824.96 -16466824.66 0.0501 0.0073
 Neptune -49792-11-22 07:54 J -16464779.22 -16464779.17 -16464779.04 0.0088 0.0086
 Neptune -49790-10-19 09:21 J -16464083.32 -16464083.11 -16464082.89 0.0088 0.0069
 Uranus -49788-08-26 20:23 J -16463405.84 -16463405.65 -16463405.41 0.0141 0.0108
 Neptune -49788-09-14 12:28 J -16463387.24 -16463386.98 -16463386.69 0.0088 0.0052
 Neptune -49786-08-11 18:13 J -16462691.03 -16462690.74 -16462690.40 0.0088 0.0035
 Neptune -49784-07-08 02:09 J -16461994.74 -16461994.41 -16461994.06 0.0088 0.0016
 Neptune -49782-06-04 11:30 J -16461298.37 -16461298.02 -16461297.67 0.0088 0.0002
 Neptune -49780-04-30 22:18 J -16460601.90 -16460601.57 -16460601.22 0.0088 0.0020
 Neptune -49778-03-28 09:21 J -16459905.40 -16459905.11 -16459904.77 0.0088 0.0039
 Neptune -49776-02-21 21:49 J -16459208.83 -16459208.59 -16459208.30 0.0088 0.0057
 Neptune -49774-01-19 11:30 J -16458512.17 -16458512.02 -16458511.80 0.0088 0.0074
 Saturn -49771-12-21 22:47 J -16457079.87 -16457079.55 -16457079.22 0.0269 0.0042
 Jupiter -49768-07-04 01:40 J -16456154.67 -16456154.43 -16456154.20 0.0527 0.0206
 Saturn -49756-01-10 05:01 J -16451946.51 -16451946.29 -16451946.05 0.0292 0.0149
 Uranus -49742-11-05 23:45 J -16446533.72 -16446533.51 -16446533.28 0.0138 0.0087
 Jupiter -49732-04-07 11:45 J -16443093.20 -16443093.01 -16443092.80 0.0525 0.0324
 Saturn -49726-02-28 03:35 J -16440940.54 -16440940.35 -16440940.13 0.0290 0.0186
 Neptune -49710-10-15 10:33 J -16434867.19 -16434867.06 -16434866.88 0.0089 0.0076
 Neptune -49708-09-08 07:11 J -16434173.40 -16434173.20 -16434172.97 0.0089 0.0060
 Neptune -49706-08-03 00:57 J -16433479.69 -16433479.46 -16433479.19 0.0089 0.0045
 Neptune -49704-06-26 17:01 J -16432786.05 -16432785.79 -16432785.51 0.0089 0.0030
 Uranus -49703-04-23 06:28 J -16432485.56 -16432485.23 -16432484.89 0.0141 0.0004

Neptune -49702-05-21 08:23 J -16432092.43 -16432092.15 -16432091.86 0.0089 0.0014
 Neptune -49700-04-13 23:45 J -16431398.80 -16431398.51 -16431398.22 0.0089 0.0001
 Neptune -49698-03-08 12:13 J -16430705.26 -16430704.99 -16430704.70 0.0089 0.0017
 Neptune -49696-01-30 00:57 J -16430011.72 -16430011.46 -16430011.19 0.0089 0.0032
 Neptune -49695-12-24 13:25 J -16429318.17 -16429317.94 -16429317.69 0.0089 0.0047
 Neptune -49693-11-17 00:42 J -16428624.66 -16428624.47 -16428624.25 0.0089 0.0061
 Neptune -49691-10-11 11:30 J -16427931.15 -16427931.02 -16427930.85 0.0089 0.0075
 Neptune -49689-09-03 23:16 J -16427237.53 -16427237.53 -16427237.51 0.0089 0.0089
 Saturn -49682-05-18 15:49 J -16424790.16 -16424789.84 -16424789.51 0.0269 0.0006
 Jupiter -49679-10-04 03:35 J -16423555.56 -16423555.35 -16423555.14 0.0499 0.0346
 Saturn -49668-06-06 19:40 J -16419656.92 -16419656.68 -16419656.42 0.0291 0.0102
 Uranus -49659-07-31 11:30 J -16416315.27 -16416315.02 -16416314.75 0.0137 0.0059
 Jupiter -49643-07-11 06:13 J -16410491.50 -16410491.24 -16410490.98 0.0502 0.0244
 Saturn -49638-07-25 10:47 J -16408651.20 -16408651.05 -16408650.87 0.0290 0.0228
 Neptune -49628-07-05 22:18 J -16405017.64 -16405017.57 -16405017.45 0.0088 0.0085
 Neptune -49626-06-01 22:18 J -16404321.75 -16404321.57 -16404321.32 0.0088 0.0069
 Neptune -49624-04-27 23:59 J -16403625.76 -16403625.50 -16403625.21 0.0088 0.0051
 Neptune -49622-03-25 03:35 J -16402929.65 -16402929.35 -16402929.02 0.0088 0.0034
 Neptune -49620-02-18 09:49 J -16402233.41 -16402233.09 -16402232.74 0.0088 0.0017
 Uranus -49619-12-18 13:54 J -16401565.11 -16401564.92 -16401564.71 0.0141 0.0113
 Neptune -49618-01-15 17:59 J -16401537.09 -16401536.75 -16401536.40 0.0088 0.0002
 Neptune -49617-12-12 02:52 J -16400840.70 -16400840.38 -16400840.02 0.0088 0.0021
 Neptune -49615-11-08 14:09 J -16400144.21 -16400143.91 -16400143.59 0.0088 0.0038
 Jupiter -49614-09-27 10:04 J -16399821.33 -16399821.08 -16399820.83 0.0527 0.0080
 Neptune -49613-10-05 01:11 J -16399447.69 -16399447.45 -16399447.15 0.0088 0.0057
 Neptune -49611-09-01 13:11 J -16398751.09 -16398750.95 -16398750.71 0.0088 0.0075
 Pluto -49605-09-17 22:18 J -16396542.84 -16396542.57 -16396542.26 0.0081 0.0042
 Saturn -49594-10-12 17:30 J -16392501.08 -16392500.77 -16392500.45 0.0269 0.0053
 Saturn -49580-11-01 04:33 J -16387367.57 -16387367.31 -16387367.05 0.0291 0.0059
 Jupiter -49578-07-02 02:09 J -16386759.52 -16386759.41 -16386759.28 0.0525 0.0461

Uranus -49574-03-25 21:06 J -16385396.90 -16385396.62 -16385396.34 0.0138 0.0024
 Saturn -49550-12-20 12:13 J -16376361.00 -16376360.99 -16376360.97 0.0290 0.0289
 Neptune -49546-05-30 18:57 J -16375103.83 -16375103.71 -16375103.53 0.0089 0.0076
 Neptune -49544-04-23 15:06 J -16374410.07 -16374409.87 -16374409.65 0.0089 0.0060
 Neptune -49542-03-18 10:18 J -16373716.30 -16373716.07 -16373715.80 0.0089 0.0046
 Neptune -49540-02-09 04:18 J -16373022.57 -16373022.32 -16373022.03 0.0089 0.0030
 Neptune -49538-01-03 20:09 J -16372328.94 -16372328.66 -16372328.37 0.0089 0.0015
 Neptune -49537-11-27 11:01 J -16371635.33 -16371635.04 -16371634.75 0.0089 0.0001
 Uranus -49536-09-08 03:06 J -16371350.64 -16371350.37 -16371350.07 0.0141 0.0073
 Saturn -49535-01-15 12:42 J -16371221.13 -16371220.97 -16371220.79 0.0268 0.0229
 Neptune -49535-10-22 02:09 J -16370941.69 -16370941.41 -16370941.12 0.0089 0.0016
 Neptune -49533-09-14 15:21 J -16370248.12 -16370247.86 -16370247.58 0.0089 0.0031
 Neptune -49531-08-09 03:06 J -16369554.60 -16369554.37 -16369554.12 0.0089 0.0046
 Neptune -49529-07-02 15:21 J -16368861.04 -16368860.86 -16368860.63 0.0089 0.0061
 Neptune -49527-05-27 02:52 J -16368167.51 -16368167.38 -16368167.21 0.0089 0.0075
 Neptune -49525-04-19 13:40 J -16367473.93 -16367473.93 -16367473.91 0.0089 0.0089
 Jupiter -49525-12-27 10:04 J -16367222.35 -16367222.08 -16367221.80 0.0500 0.0199
 Saturn -49505-03-08 12:57 J -16360211.25 -16360210.96 -16360210.66 0.0270 0.0106
 Jupiter -49495-03-18 02:23 J -16356549.48 -16356549.40 -16356549.31 0.0529 0.0499
 Uranus -49492-12-18 08:09 J -16355178.28 -16355178.16 -16355178.02 0.0137 0.0121
 Saturn -49491-03-29 05:16 J -16355077.55 -16355077.28 -16355077.01 0.0291 0.0007
 Uranus -49490-11-18 08:52 J -16354478.30 -16354478.13 -16354477.95 0.0138 0.0109
 Jupiter -49489-10-03 05:01 J -16354158.47 -16354158.29 -16354158.08 0.0502 0.0378
 Neptune -49464-02-16 12:28 J -16345256.05 -16345255.98 -16345255.86 0.0088 0.0085
 Neptune -49462-01-13 09:21 J -16344560.29 -16344560.11 -16344559.87 0.0088 0.0069
 Neptune -49461-12-09 09:49 J -16343864.34 -16343864.09 -16343863.79 0.0088 0.0052
 Jupiter -49460-12-21 02:37 J -16343487.64 -16343487.39 -16343487.14 0.0527 0.0069
 Neptune -49459-11-05 11:45 J -16343168.31 -16343168.01 -16343167.68 0.0088 0.0034
 Neptune -49457-10-01 15:35 J -16342472.18 -16342471.85 -16342471.51 0.0088 0.0017
 Neptune -49455-08-28 22:04 J -16341775.92 -16341775.58 -16341775.23 0.0088 0.0002

Neptune -49453-07-25 06:28 J -16341079.56 -16341079.23 -16341078.89 0.0088 0.0020
 Uranus -49451-05-05 07:11 J -16340430.52 -16340430.20 -16340429.87 0.0141 0.0034
 Neptune -49451-06-21 15:21 J -16340383.14 -16340382.86 -16340382.52 0.0088 0.0038
 Neptune -49449-05-18 02:23 J -16339686.63 -16339686.40 -16339686.09 0.0088 0.0057
 Neptune -49447-04-14 14:52 J -16338990.05 -16338989.88 -16338989.67 0.0088 0.0074
 Saturn -49447-06-12 02:23 J -16338931.63 -16338931.40 -16338931.15 0.0269 0.0180
 Pluto -49446-07-20 10:18 J -16338528.29 -16338528.07 -16338527.81 0.0064 0.0038
 Saturn -49433-07-05 17:45 J -16333793.81 -16333793.76 -16333793.68 0.0292 0.0282
 Saturn -49417-08-02 18:13 J -16327921.98 -16327921.74 -16327921.46 0.0269 0.0159
 Uranus -49407-08-12 19:40 J -16324259.94 -16324259.68 -16324259.39 0.0137 0.0039
 Saturn -49403-08-23 01:40 J -16322788.70 -16322788.43 -16322788.17 0.0291 0.0037
 Neptune -49382-01-12 22:04 J -16315340.72 -16315340.58 -16315340.42 0.0089 0.0077
 Neptune -49381-12-06 20:52 J -16314646.83 -16314646.63 -16314646.40 0.0089 0.0062
 Neptune -49379-10-31 16:47 J -16313953.03 -16313952.80 -16313952.53 0.0089 0.0046
 Neptune -49377-09-24 12:13 J -16313259.25 -16313258.99 -16313258.71 0.0089 0.0030
 Neptune -49375-08-19 06:28 J -16312565.50 -16312565.23 -16312564.93 0.0089 0.0015
 Neptune -49373-07-12 22:33 J -16311871.85 -16311871.56 -16311871.27 0.0089 0.0001
 Neptune -49371-06-06 12:42 J -16311178.25 -16311177.97 -16311177.68 0.0089 0.0016
 Jupiter -49370-03-22 15:35 J -16310889.14 -16310888.85 -16310888.55 0.0500 0.0052
 Neptune -49369-04-30 02:52 J -16310484.63 -16310484.38 -16310484.09 0.0089 0.0031
 Neptune -49367-03-24 16:33 J -16309791.03 -16309790.81 -16309790.54 0.0089 0.0046
 Neptune -49365-02-16 03:35 J -16309097.52 -16309097.35 -16309097.11 0.0089 0.0062
 Neptune -49363-01-09 16:04 J -16308403.95 -16308403.83 -16308403.65 0.0089 0.0075
 Neptune -49362-12-04 04:18 J -16307710.32 -16307710.32 -16307710.28 0.0089 0.0089
 Saturn -49359-11-06 06:13 J -16306642.51 -16306642.24 -16306641.94 0.0268 0.0129
 Saturn -49345-11-29 05:01 J -16301505.39 -16301505.29 -16301505.16 0.0292 0.0262
 Jupiter -49341-06-11 05:45 J -16300215.46 -16300215.26 -16300215.05 0.0529 0.0320
 Saturn -49329-12-27 15:35 J -16295633.06 -16295632.85 -16295632.63 0.0269 0.0199
 Uranus -49322-04-07 11:16 J -16293341.30 -16293341.03 -16293340.76 0.0138 0.0048
 Saturn -49314-01-17 06:28 J -16290499.48 -16290499.23 -16290498.97 0.0291 0.0086

Jupiter -49305-03-15 23:59 J -16287153.72 -16287153.50 -16287153.27 0.0527 0.0230
 Neptune -49301-09-30 02:37 J -16285494.46 -16285494.39 -16285494.28 0.0088 0.0085
 Neptune -49299-08-26 21:49 J -16284798.78 -16284798.59 -16284798.36 0.0088 0.0069
 Neptune -49297-07-22 19:40 J -16284102.95 -16284102.68 -16284102.40 0.0088 0.0052
 Neptune -49295-06-18 20:09 J -16283406.96 -16283406.66 -16283406.33 0.0088 0.0034
 Neptune -49293-05-14 22:18 J -16282710.88 -16282710.57 -16282710.21 0.0088 0.0018
 Neptune -49291-04-11 02:23 J -16282014.74 -16282014.40 -16282014.05 0.0088 0.0002
 Neptune -49289-03-07 08:23 J -16281318.47 -16281318.15 -16281317.80 0.0088 0.0019
 Neptune -49287-02-01 16:33 J -16280622.10 -16280621.81 -16280621.48 0.0088 0.0037
 Neptune -49286-12-30 01:54 J -16279925.66 -16279925.42 -16279925.12 0.0088 0.0055
 Uranus -49284-09-20 03:21 J -16279295.66 -16279295.36 -16279295.03 0.0141 0.0043
 Neptune -49284-11-25 12:28 J -16279229.13 -16279228.98 -16279228.75 0.0088 0.0074
 Saturn -49270-04-01 17:45 J -16274354.05 -16274353.76 -16274353.45 0.0268 0.0097
 Saturn -49256-04-25 01:25 J -16269216.60 -16269216.44 -16269216.26 0.0292 0.0224
 Jupiter -49252-09-08 17:59 J -16267618.88 -16267618.75 -16267618.60 0.0498 0.0437
 Saturn -49240-05-23 10:04 J -16263344.22 -16263344.08 -16263343.92 0.0269 0.0239
 Uranus -49240-12-30 23:01 J -16263122.75 -16263122.54 -16263122.33 0.0137 0.0095
 Uranus -49238-12-01 01:25 J -16262422.48 -16262422.44 -16262422.36 0.0138 0.0135
 Saturn -49226-06-12 02:37 J -16258211.64 -16258211.39 -16258211.13 0.0292 0.0091
 Neptune -49219-08-27 23:59 J -16255577.63 -16255577.50 -16255577.34 0.0089 0.0078
 Neptune -49217-07-21 23:01 J -16254883.73 -16254883.54 -16254883.31 0.0089 0.0062
 Jupiter -49216-06-16 03:21 J -16254554.64 -16254554.36 -16254554.08 0.0500 0.0158
 Neptune -49215-06-15 21:21 J -16254189.84 -16254189.61 -16254189.34 0.0089 0.0047
 Neptune -49213-05-09 17:59 J -16253496.01 -16253495.75 -16253495.47 0.0089 0.0031
 Neptune -49211-04-03 12:13 J -16252802.28 -16252801.99 -16252801.70 0.0089 0.0016
 Neptune -49209-02-26 06:13 J -16252108.53 -16252108.24 -16252107.95 0.0089 0.0000
 Neptune -49207-01-19 22:04 J -16251414.86 -16251414.58 -16251414.29 0.0089 0.0015
 Neptune -49206-12-14 11:45 J -16250721.26 -16250721.01 -16250720.72 0.0089 0.0031
 Neptune -49204-11-07 02:09 J -16250027.64 -16250027.41 -16250027.15 0.0089 0.0046
 Neptune -49202-10-01 16:18 J -16249334.01 -16249333.82 -16249333.59 0.0089 0.0060

Neptune -49200-08-25 04:18 J -16248640.47 -16248640.32 -16248640.16 0.0089 0.0074
 Pluto -49200-12-08 18:57 J -16248534.93 -16248534.71 -16248534.48 0.0064 0.0042
 Uranus -49199-05-17 13:54 J -16248375.20 -16248374.92 -16248374.62 0.0141 0.0070
 Neptune -49198-07-19 16:04 J -16247946.85 -16247946.83 -16247946.78 0.0089 0.0088
 Jupiter -49187-09-05 11:16 J -16243881.27 -16243881.03 -16243880.78 0.0529 0.0133
 Saturn -49182-08-26 10:18 J -16242065.38 -16242065.07 -16242064.75 0.0268 0.0062
 Saturn -49168-09-17 17:01 J -16236928.95 -16236928.79 -16236928.61 0.0292 0.0224
 Uranus -49155-08-25 17:01 J -16232204.08 -16232203.79 -16232203.50 0.0137 0.0008
 Saturn -49152-10-16 06:42 J -16231056.30 -16231056.22 -16231056.13 0.0269 0.0259
 Jupiter -49151-06-10 09:49 J -16230819.24 -16230819.09 -16230818.94 0.0526 0.0420
 Saturn -49138-11-05 10:33 J -16225923.30 -16225923.06 -16225922.81 0.0291 0.0117
 Neptune -49137-05-13 16:04 J -16225732.88 -16225732.83 -16225732.71 0.0088 0.0086
 Neptune -49135-04-09 09:06 J -16225037.29 -16225037.12 -16225036.88 0.0088 0.0069
 Neptune -49133-03-05 05:16 J -16224341.54 -16224341.28 -16224341.00 0.0088 0.0052
 Neptune -49131-01-30 03:06 J -16223645.67 -16223645.37 -16223645.05 0.0088 0.0035
 Neptune -49130-12-27 03:35 J -16222949.68 -16222949.35 -16222949.01 0.0088 0.0018
 Neptune -49128-11-22 06:42 J -16222253.56 -16222253.22 -16222252.88 0.0088 0.0000
 Neptune -49126-10-19 10:18 J -16221557.39 -16221557.07 -16221556.72 0.0088 0.0018
 Neptune -49124-09-14 16:18 J -16220861.11 -16220860.82 -16220860.48 0.0088 0.0037
 Neptune -49122-08-12 00:57 J -16220164.70 -16220164.46 -16220164.16 0.0088 0.0054
 Neptune -49120-07-08 10:47 J -16219468.22 -16219468.05 -16219467.82 0.0088 0.0072
 Uranus -49116-02-05 12:13 J -16218160.18 -16218159.99 -16218159.78 0.0142 0.0112
 Jupiter -49098-12-04 12:28 J -16211284.24 -16211283.98 -16211283.71 0.0498 0.0216
 Saturn -49093-01-19 01:40 J -16209777.75 -16209777.43 -16209777.11 0.0268 0.0046
 Saturn -49079-02-10 21:49 J -16204640.77 -16204640.59 -16204640.40 0.0292 0.0204
 Uranus -49070-04-20 05:59 J -16201285.46 -16201285.25 -16201284.99 0.0138 0.0080
 Jupiter -49068-02-24 19:25 J -16200608.76 -16200608.69 -16200608.60 0.0531 0.0502
 Jupiter -49062-09-10 10:04 J -16198220.27 -16198220.08 -16198219.87 0.0500 0.0368
 Neptune -49055-04-11 21:49 J -16195814.70 -16195814.59 -16195814.43 0.0089 0.0079
 Neptune -49053-03-05 23:45 J -16195120.71 -16195120.51 -16195120.30 0.0089 0.0063

Neptune -49051-01-28 22:04 J -16194426.80 -16194426.58 -16194426.31 0.0089 0.0048

Neptune -49050-12-23 20:23 J -16193732.92 -16193732.65 -16193732.37 0.0089 0.0032

Saturn -49049-03-30 01:25 J -16193635.68 -16193635.44 -16193635.19 0.0291 0.0116

Neptune -49048-11-16 17:01 J -16193039.06 -16193038.79 -16193038.49 0.0089 0.0017

Neptune -49046-10-11 11:16 J -16192345.32 -16192345.03 -16192344.74 0.0089 0.0001

Neptune -49044-09-04 04:47 J -16191651.57 -16191651.30 -16191651.00 0.0089 0.0015

Neptune -49042-07-29 21:06 J -16190957.88 -16190957.62 -16190957.34 0.0089 0.0030

Neptune -49040-06-22 11:01 J -16190264.27 -16190264.04 -16190263.77 0.0089 0.0046

Neptune -49038-05-17 00:13 J -16189570.67 -16189570.49 -16189570.25 0.0089 0.0060

Neptune -49036-04-09 14:09 J -16188877.04 -16188876.91 -16188876.72 0.0089 0.0074

Neptune -49034-03-04 02:09 J -16188183.42 -16188183.41 -16188183.34 0.0089 0.0088

Jupiter -49033-11-30 01:54 J -16187546.67 -16187546.42 -16187546.16 0.0528 0.0076

Uranus -49032-10-02 21:06 J -16187239.95 -16187239.62 -16187239.29 0.0142 0.0001

Saturn -49005-06-13 18:57 J -16177489.04 -16177488.71 -16177488.39 0.0268 0.0015

49TH MILLENNIUM BCE

This is a list of transits of Mars in the 49th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-48991-07-06 19:40 J	-16172352.87	-16172352.68	-16172352.48	0.0292	0.0199		
Uranus	-48987-01-12 20:09 J	-16171066.91	-16171066.66	-16171066.40	0.0137	0.0064		
Neptune	-48974-12-26 09:06 J	-16165971.18	-16165971.12	-16165971.03	0.0088	0.0086		
Neptune	-48972-11-20 22:18 J	-16165275.73	-16165275.57	-16165275.33	0.0088	0.0070		
Neptune	-48970-10-17 15:35 J	-16164580.09	-16164579.85	-16164579.56	0.0088	0.0053		

Neptune -48968-09-12 11:16 J -16163884.31 -16163884.03 -16163883.70 0.0088 0.0037
 Neptune -48966-08-09 09:35 J -16163188.42 -16163188.10 -16163187.76 0.0088 0.0019
 Neptune -48964-07-05 10:18 J -16162492.41 -16162492.07 -16162491.73 0.0088 0.0001
 Neptune -48962-06-01 13:11 J -16161796.27 -16161795.95 -16161795.60 0.0088 0.0017
 Saturn -48961-08-23 08:52 J -16161347.35 -16161347.13 -16161346.88 0.0291 0.0137
 Neptune -48960-04-27 17:01 J -16161100.08 -16161099.79 -16161099.45 0.0088 0.0035
 Neptune -48958-03-24 23:01 J -16160403.79 -16160403.54 -16160403.24 0.0088 0.0053
 Neptune -48956-02-18 07:11 J -16159707.36 -16159707.20 -16159706.95 0.0088 0.0071
 Uranus -48947-05-30 04:47 J -16156319.49 -16156319.30 -16156319.09 0.0141 0.0111
 Jupiter -48943-02-27 21:35 J -16154949.90 -16154949.60 -16154949.31 0.0498 0.0008
 Saturn -48917-11-06 15:49 J -16145201.17 -16145200.84 -16145200.51 0.0268 0.0007
 Jupiter -48914-05-22 08:52 J -16144274.34 -16144274.13 -16144273.92 0.0530 0.0297
 Uranus -48903-09-07 11:16 J -16140148.30 -16140148.03 -16140147.73 0.0137 0.0023
 Saturn -48903-11-30 06:42 J -16140064.42 -16140064.22 -16140064.00 0.0292 0.0176
 Neptune -48892-11-24 15:21 J -16136051.95 -16136051.86 -16136051.70 0.0089 0.0082
 Neptune -48890-10-19 19:40 J -16135357.86 -16135357.68 -16135357.45 0.0089 0.0066
 Neptune -48888-09-12 21:35 J -16134663.83 -16134663.60 -16134663.34 0.0089 0.0050
 Neptune -48886-08-07 20:37 J -16133969.91 -16133969.64 -16133969.36 0.0089 0.0034
 Neptune -48884-07-01 17:45 J -16133276.04 -16133275.76 -16133275.46 0.0089 0.0018
 Neptune -48882-05-26 14:37 J -16132582.18 -16132581.89 -16132581.59 0.0089 0.0003
 Neptune -48880-04-19 08:37 J -16131888.42 -16131888.14 -16131887.85 0.0089 0.0014
 Jupiter -48878-02-24 06:13 J -16131212.46 -16131212.24 -16131212.01 0.0529 0.0257
 Neptune -48878-03-14 01:25 J -16131194.70 -16131194.44 -16131194.15 0.0089 0.0029
 Neptune -48876-02-04 17:59 J -16130500.98 -16130500.75 -16130500.48 0.0089 0.0044
 Neptune -48875-12-30 08:23 J -16129807.34 -16129807.15 -16129806.92 0.0089 0.0059
 Neptune -48873-11-22 22:04 J -16129113.73 -16129113.58 -16129113.41 0.0089 0.0074
 Saturn -48872-01-16 23:01 J -16129058.76 -16129058.54 -16129058.32 0.0291 0.0160
 Neptune -48871-10-17 11:59 J -16128420.04 -16128420.00 -16128419.93 0.0089 0.0087
 Uranus -48864-02-17 20:37 J -16126104.89 -16126104.64 -16126104.34 0.0142 0.0077
 Pluto -48864-10-06 11:16 J -16125874.21 -16125874.03 -16125873.78 0.0081 0.0063

Saturn -48828-04-03 00:57 J -16112911.78 -16112911.46 -16112911.14 0.0269 0.0050
 Jupiter -48825-08-17 06:42 J -16111679.39 -16111679.22 -16111679.02 0.0496 0.0384
 Uranus -48820-06-02 01:11 J -16109929.57 -16109929.45 -16109929.29 0.0136 0.0119
 Uranus -48818-05-03 05:59 J -16109229.42 -16109229.25 -16109229.08 0.0137 0.0111
 Saturn -48814-04-26 09:06 J -16107775.36 -16107775.12 -16107774.89 0.0291 0.0138
 Neptune -48810-08-09 00:28 J -16106209.52 -16106209.48 -16106209.39 0.0088 0.0087
 Neptune -48808-07-04 13:40 J -16105514.11 -16105513.93 -16105513.72 0.0088 0.0071
 Neptune -48806-05-31 03:49 J -16104818.58 -16104818.34 -16104818.05 0.0088 0.0055
 Neptune -48804-04-25 21:06 J -16104122.91 -16104122.62 -16104122.30 0.0088 0.0038
 Neptune -48802-03-22 17:16 J -16103427.09 -16103426.78 -16103426.44 0.0088 0.0020
 Neptune -48800-02-15 16:04 J -16102731.17 -16102730.83 -16102730.49 0.0088 0.0002
 Neptune -48798-01-12 16:04 J -16102035.15 -16102034.83 -16102034.48 0.0088 0.0016
 Neptune -48797-12-08 19:11 J -16101338.99 -16101338.70 -16101338.36 0.0088 0.0035
 Neptune -48795-11-04 23:45 J -16100642.76 -16100642.51 -16100642.20 0.0088 0.0052
 Neptune -48793-10-01 06:13 J -16099946.44 -16099946.24 -16099946.02 0.0088 0.0070
 Neptune -48791-08-28 14:09 J -16099249.92 -16099249.91 -16099249.83 0.0088 0.0088
 Jupiter -48789-05-23 22:47 J -16098615.83 -16098615.55 -16098615.27 0.0499 0.0175
 Saturn -48784-06-12 21:35 J -16096769.80 -16096769.60 -16096769.40 0.0291 0.0195
 Uranus -48780-10-15 04:18 J -16095184.63 -16095184.32 -16095183.99 0.0142 0.0036
 Saturn -48770-07-07 09:06 J -16091632.23 -16091632.12 -16091631.97 0.0269 0.0246
 Jupiter -48760-08-14 23:01 J -16087940.79 -16087940.54 -16087940.30 0.0531 0.0154
 Saturn -48740-08-27 18:42 J -16080623.03 -16080622.72 -16080622.42 0.0269 0.0092
 Uranus -48735-01-25 19:54 J -16079010.95 -16079010.67 -16079010.38 0.0137 0.0031
 Neptune -48728-07-09 09:21 J -16076289.18 -16076289.11 -16076288.97 0.0089 0.0084
 Neptune -48726-06-03 13:54 J -16075595.09 -16075594.92 -16075594.70 0.0089 0.0067
 Saturn -48726-09-20 11:45 J -16075486.26 -16075486.01 -16075485.75 0.0291 0.0100
 Neptune -48724-04-27 17:30 J -16074901.00 -16074900.77 -16074900.51 0.0089 0.0051
 Jupiter -48724-05-20 00:57 J -16074878.61 -16074878.46 -16074878.29 0.0528 0.0409
 Neptune -48722-03-22 19:11 J -16074206.96 -16074206.70 -16074206.42 0.0089 0.0035
 Neptune -48720-02-13 17:45 J -16073513.03 -16073512.76 -16073512.46 0.0089 0.0020

Neptune -48718-01-08 14:52 J -16072819.17 -16072818.88 -16072818.59 0.0089 0.0003
 Neptune -48717-12-02 11:01 J -16072125.32 -16072125.04 -16072124.74 0.0089 0.0013
 Neptune -48715-10-27 05:45 J -16071431.53 -16071431.26 -16071430.97 0.0089 0.0028
 Neptune -48713-09-19 22:18 J -16070737.81 -16070737.57 -16070737.30 0.0089 0.0044
 Neptune -48711-08-14 14:52 J -16070044.08 -16070043.88 -16070043.65 0.0089 0.0058
 Neptune -48709-07-08 05:16 J -16069350.42 -16069350.28 -16069350.09 0.0089 0.0073
 Neptune -48707-06-01 18:13 J -16068656.76 -16068656.74 -16068656.65 0.0089 0.0088
 Saturn -48696-11-07 16:33 J -16064479.93 -16064479.81 -16064479.67 0.0290 0.0253
 Saturn -48682-12-01 09:21 J -16059343.32 -16059343.11 -16059342.88 0.0268 0.0197
 Jupiter -48671-11-10 18:28 J -16055345.99 -16055345.73 -16055345.47 0.0497 0.0233
 Saturn -48651-01-22 13:25 J -16048333.19 -16048332.94 -16048332.65 0.0269 0.0148
 Uranus -48651-09-20 15:49 J -16048092.09 -16048091.84 -16048091.57 0.0137 0.0059
 Neptune -48646-03-22 20:52 J -16046447.65 -16046447.63 -16046447.56 0.0088 0.0088
 Neptune -48644-02-15 05:59 J -16045752.42 -16045752.25 -16045752.04 0.0088 0.0072
 Neptune -48642-01-11 18:42 J -16045056.95 -16045056.72 -16045056.43 0.0088 0.0056
 Neptune -48641-12-07 09:35 J -16044361.38 -16044361.10 -16044360.78 0.0088 0.0039
 Neptune -48639-11-03 02:37 J -16043665.71 -16043665.39 -16043665.06 0.0088 0.0021
 Saturn -48637-02-15 11:30 J -16043196.29 -16043196.02 -16043195.76 0.0291 0.0034
 Neptune -48637-09-28 22:47 J -16042969.88 -16042969.55 -16042969.21 0.0088 0.0003
 Jupiter -48635-08-17 01:25 J -16042282.66 -16042282.44 -16042282.20 0.0498 0.0312
 Neptune -48635-08-25 21:21 J -16042273.94 -16042273.61 -16042273.27 0.0088 0.0015
 Neptune -48633-07-21 22:18 J -16041577.88 -16041577.57 -16041577.25 0.0088 0.0032
 Neptune -48631-06-18 00:42 J -16040881.72 -16040881.47 -16040881.16 0.0088 0.0051
 Neptune -48629-05-14 06:28 J -16040185.43 -16040185.23 -16040185.00 0.0088 0.0068
 Neptune -48627-04-10 11:59 J -16039489.03 -16039489.00 -16039488.89 0.0088 0.0086
 Uranus -48612-03-02 11:59 J -16034049.31 -16034049.00 -16034048.68 0.0142 0.0035
 Jupiter -48606-11-08 14:23 J -16031607.16 -16031606.90 -16031606.64 0.0530 0.0004
 Saturn -48593-04-27 02:09 J -16027053.67 -16027053.41 -16027053.13 0.0269 0.0144
 Uranus -48568-06-15 05:45 J -16017873.48 -16017873.26 -16017873.02 0.0136 0.0082
 Neptune -48564-02-20 22:18 J -16016526.63 -16016526.57 -16016526.45 0.0089 0.0085

Saturn -48563-06-18 20:23 J -16016043.85 -16016043.65 -16016043.42 0.0269 0.0201
 Neptune -48562-01-16 06:28 J -16015832.40 -16015832.23 -16015832.03 0.0089 0.0069
 Neptune -48561-12-10 11:01 J -16015138.26 -16015138.04 -16015137.78 0.0089 0.0053
 Neptune -48559-11-04 13:40 J -16014444.18 -16014443.93 -16014443.64 0.0089 0.0037
 Neptune -48557-09-28 15:35 J -16013750.12 -16013749.85 -16013749.54 0.0089 0.0021
 Neptune -48555-08-23 15:06 J -16013056.16 -16013055.87 -16013055.57 0.0089 0.0005
 Neptune -48553-07-17 11:45 J -16012362.30 -16012362.01 -16012361.72 0.0089 0.0011
 Neptune -48551-06-11 07:25 J -16011668.45 -16011668.19 -16011667.90 0.0089 0.0027
 Neptune -48549-05-05 02:37 J -16010974.63 -16010974.39 -16010974.12 0.0089 0.0043
 Saturn -48549-07-11 14:23 J -16010907.17 -16010906.90 -16010906.64 0.0291 0.0004
 Neptune -48547-03-29 18:57 J -16010280.92 -16010280.71 -16010280.48 0.0089 0.0058
 Neptune -48545-02-21 11:01 J -16009587.19 -16009587.04 -16009586.86 0.0089 0.0072
 Neptune -48543-01-15 02:23 J -16008893.46 -16008893.40 -16008893.33 0.0089 0.0087
 Uranus -48528-10-27 20:52 J -16003128.88 -16003128.63 -16003128.34 0.0142 0.0079
 Jupiter -48516-02-02 21:06 J -15999012.90 -15999012.62 -15999012.33 0.0496 0.0099
 Saturn -48505-09-21 10:33 J -15994764.36 -15994764.06 -15994763.75 0.0268 0.0090
 Jupiter -48487-04-29 02:09 J -15988335.56 -15988335.41 -15988335.25 0.0532 0.0424
 Uranus -48483-02-07 23:45 J -15986954.80 -15986954.51 -15986954.22 0.0137 0.0006
 Neptune -48481-09-29 01:40 J -15985990.58 -15985990.43 -15985990.21 0.0088 0.0073
 Jupiter -48481-11-09 19:40 J -15985948.76 -15985948.68 -15985948.59 0.0499 0.0477
 Neptune -48479-08-25 11:30 J -15985295.25 -15985295.02 -15985294.75 0.0088 0.0057
 Neptune -48477-07-21 00:28 J -15984599.76 -15984599.48 -15984599.17 0.0088 0.0040
 Neptune -48475-06-16 16:18 J -15983904.13 -15983903.82 -15983903.48 0.0088 0.0023
 Saturn -48475-11-13 02:52 J -15983754.48 -15983754.38 -15983754.24 0.0269 0.0250
 Neptune -48473-05-12 09:49 J -15983208.42 -15983208.09 -15983207.75 0.0088 0.0005
 Neptune -48471-04-08 05:59 J -15982512.58 -15982512.25 -15982511.91 0.0088 0.0013
 Neptune -48469-03-04 04:47 J -15981816.60 -15981816.30 -15981815.97 0.0088 0.0031
 Neptune -48467-01-29 05:45 J -15981120.53 -15981120.26 -15981119.97 0.0088 0.0049
 Neptune -48466-12-26 08:23 J -15980424.35 -15980424.15 -15980423.91 0.0088 0.0068
 Neptune -48464-11-21 13:40 J -15979727.99 -15979727.93 -15979727.82 0.0088 0.0085

Saturn -48461-12-06 06:57 J -15978617.47 -15978617.21 -15978616.94 0.0291 0.0063
 Pluto -48459-12-30 23:30 J -15977862.77 -15977862.52 -15977862.22 0.0064 0.0026
 Jupiter -48451-02-01 04:33 J -15975273.56 -15975273.31 -15975273.06 0.0531 0.0142
 Uranus -48445-07-18 20:23 J -15972913.85 -15972913.65 -15972913.43 0.0143 0.0108
 Saturn -48416-02-15 09:35 J -15962475.42 -15962475.10 -15962474.78 0.0269 0.0049
 Saturn -48402-03-15 10:47 J -15957334.18 -15957334.05 -15957333.89 0.0291 0.0242
 Neptune -48401-10-05 12:13 J -15956764.02 -15956763.99 -15956763.91 0.0089 0.0087
 Uranus -48401-11-02 12:28 J -15956736.00 -15956735.98 -15956735.96 0.0136 0.0135
 Neptune -48399-08-30 21:06 J -15956069.78 -15956069.62 -15956069.42 0.0089 0.0071
 Uranus -48399-10-03 16:47 J -15956036.01 -15956035.80 -15956035.59 0.0137 0.0094
 Jupiter -48398-07-24 05:45 J -15955742.33 -15955742.26 -15955742.16 0.0495 0.0472
 Neptune -48397-07-25 04:33 J -15955375.53 -15955375.31 -15955375.05 0.0089 0.0055
 Neptune -48395-06-19 09:35 J -15954681.35 -15954681.10 -15954680.81 0.0089 0.0039
 Neptune -48393-05-13 11:30 J -15953987.30 -15953987.02 -15953986.72 0.0089 0.0023
 Neptune -48391-04-07 13:11 J -15953293.24 -15953292.95 -15953292.65 0.0089 0.0006
 Neptune -48389-03-01 11:59 J -15952599.28 -15952599.00 -15952598.70 0.0089 0.0011
 Neptune -48387-01-24 08:23 J -15951905.42 -15951905.15 -15951904.86 0.0089 0.0026
 Neptune -48386-12-19 03:49 J -15951211.59 -15951211.34 -15951211.07 0.0089 0.0042
 Neptune -48384-11-11 23:16 J -15950517.75 -15950517.53 -15950517.30 0.0089 0.0057
 Neptune -48382-10-06 16:04 J -15949824.00 -15949823.83 -15949823.66 0.0089 0.0072
 Neptune -48380-08-30 07:11 J -15949130.24 -15949130.20 -15949130.10 0.0089 0.0087
 Saturn -48372-05-01 13:11 J -15946329.21 -15946328.95 -15946328.69 0.0291 0.0079
 Jupiter -48362-04-29 23:30 J -15942678.80 -15942678.52 -15942678.23 0.0497 0.0084
 Uranus -48360-03-14 23:16 J -15941993.86 -15941993.53 -15941993.21 0.0142 0.0002
 Jupiter -48333-07-23 00:42 J -15932001.69 -15932001.47 -15932001.24 0.0533 0.0252
 Saturn -48328-07-12 11:01 J -15930186.36 -15930186.04 -15930185.71 0.0268 0.0007
 Neptune -48317-05-13 00:57 J -15926228.63 -15926228.46 -15926228.28 0.0088 0.0074
 Uranus -48316-06-28 05:30 J -15925817.53 -15925817.27 -15925816.99 0.0136 0.0049
 Neptune -48315-04-08 08:37 J -15925533.37 -15925533.14 -15925532.88 0.0088 0.0057
 Saturn -48314-08-08 10:33 J -15925046.22 -15925046.06 -15925045.90 0.0292 0.0234

Neptune -48313-03-03 18:42 J -15924838.00 -15924837.72 -15924837.42 0.0088 0.0041
 Neptune -48311-01-28 07:25 J -15924142.50 -15924142.19 -15924141.86 0.0088 0.0023
 Neptune -48310-12-24 23:45 J -15923446.84 -15923446.51 -15923446.17 0.0088 0.0006
 Neptune -48308-11-19 17:16 J -15922751.11 -15922750.78 -15922750.44 0.0088 0.0012
 Neptune -48306-10-16 13:11 J -15922055.25 -15922054.95 -15922054.61 0.0088 0.0030
 Neptune -48304-09-11 12:13 J -15921359.25 -15921358.99 -15921358.68 0.0088 0.0049
 Neptune -48302-08-08 13:54 J -15920663.12 -15920662.92 -15920662.68 0.0088 0.0066
 Neptune -48300-07-04 16:47 J -15919966.87 -15919966.80 -15919966.67 0.0088 0.0084
 Jupiter -48297-04-27 08:52 J -15918939.33 -15918939.13 -15918938.92 0.0530 0.0321
 Saturn -48284-09-25 06:13 J -15914040.47 -15914040.24 -15914039.98 0.0291 0.0114
 Uranus -48276-11-09 04:04 J -15911073.52 -15911073.33 -15911073.12 0.0142 0.0112
 Jupiter -48244-10-17 17:30 J -15899408.00 -15899407.77 -15899407.52 0.0495 0.0274
 Saturn -48240-12-05 09:35 J -15897898.42 -15897898.10 -15897897.77 0.0268 0.0018
 Neptune -48235-04-14 11:59 J -15896307.16 -15896307.00 -15896306.82 0.0089 0.0073
 Neptune -48233-03-08 19:54 J -15895612.88 -15895612.67 -15895612.41 0.0089 0.0057
 Neptune -48231-02-01 02:38 J -15894918.63 -15894918.39 -15894918.10 0.0089 0.0041
 Uranus -48231-02-20 23:30 J -15894898.78 -15894898.52 -15894898.23 0.0136 0.0040
 Neptune -48230-12-27 08:09 J -15894224.43 -15894224.16 -15894223.86 0.0089 0.0024
 Neptune -48228-11-20 10:04 J -15893530.37 -15893530.08 -15893529.78 0.0089 0.0008
 Neptune -48226-10-15 11:02 J -15892836.32 -15892836.04 -15892835.73 0.0089 0.0010
 Saturn -48225-01-01 20:23 J -15892757.82 -15892757.65 -15892757.45 0.0292 0.0209
 Neptune -48224-09-08 10:33 J -15892142.32 -15892142.06 -15892141.76 0.0089 0.0026
 Neptune -48222-08-03 06:57 J -15891448.45 -15891448.21 -15891447.93 0.0089 0.0042
 Neptune -48220-06-27 01:54 J -15890754.62 -15890754.42 -15890754.17 0.0089 0.0057
 Neptune -48218-05-21 20:38 J -15890060.79 -15890060.64 -15890060.44 0.0089 0.0072
 Neptune -48216-04-14 13:26 J -15889366.98 -15889366.94 -15889366.83 0.0089 0.0087
 Pluto -48212-05-22 08:52 J -15887868.42 -15887868.13 -15887867.83 0.0064 0.0005
 Jupiter -48208-07-24 02:38 J -15886344.63 -15886344.39 -15886344.15 0.0497 0.0276
 Saturn -48195-02-17 22:04 J -15881752.82 -15881752.58 -15881752.33 0.0291 0.0114
 Uranus -48193-07-30 19:11 J -15880858.95 -15880858.70 -15880858.41 0.0143 0.0081

Jupiter -48179-10-17 15:35 J -15875667.11 -15875666.85 -15875666.60 0.0532 0.0043
 Neptune -48154-12-26 02:38 J -15866466.52 -15866466.39 -15866466.19 0.0088 0.0075
 Neptune -48152-11-20 08:23 J -15865771.38 -15865771.15 -15865770.90 0.0088 0.0059
 Saturn -48151-05-01 03:35 J -15865609.66 -15865609.35 -15865609.02 0.0268 0.0051
 Neptune -48150-10-16 17:02 J -15865076.08 -15865075.79 -15865075.50 0.0088 0.0042
 Uranus -48149-11-15 11:30 J -15864680.20 -15864680.02 -15864679.82 0.0136 0.0103
 Neptune -48148-09-11 03:21 J -15864380.66 -15864380.36 -15864380.03 0.0088 0.0025
 Uranus -48147-10-16 17:59 J -15863979.84 -15863979.75 -15863979.63 0.0137 0.0127
 Neptune -48146-08-07 16:18 J -15863685.15 -15863684.82 -15863684.48 0.0088 0.0007
 Neptune -48144-07-03 09:21 J -15862989.44 -15862989.11 -15862988.78 0.0088 0.0011
 Neptune -48142-05-30 03:21 J -15862293.67 -15862293.36 -15862293.04 0.0088 0.0029
 Neptune -48140-04-24 23:30 J -15861597.79 -15861597.52 -15861597.22 0.0088 0.0047
 Neptune -48138-03-21 22:47 J -15860901.77 -15860901.55 -15860901.32 0.0088 0.0065
 Saturn -48137-05-26 14:52 J -15860470.07 -15860469.88 -15860469.69 0.0291 0.0207
 Neptune -48136-02-14 23:59 J -15860205.58 -15860205.50 -15860205.37 0.0088 0.0083
 Uranus -48108-03-27 02:38 J -15849938.70 -15849938.39 -15849938.06 0.0142 0.0033
 Saturn -48107-07-14 03:21 J -15849464.59 -15849464.36 -15849464.12 0.0291 0.0134
 Saturn -48093-08-02 23:16 J -15844330.58 -15844330.53 -15844330.45 0.0268 0.0262
 Jupiter -48089-01-12 04:33 J -15843073.59 -15843073.31 -15843073.02 0.0495 0.0070
 Neptune -48072-11-27 02:23 J -15836544.56 -15836544.40 -15836544.24 0.0089 0.0076
 Neptune -48070-10-22 12:42 J -15835850.17 -15835849.97 -15835849.72 0.0089 0.0059
 Neptune -48068-09-15 20:52 J -15835155.87 -15835155.63 -15835155.34 0.0089 0.0043
 Neptune -48066-08-11 03:35 J -15834461.64 -15834461.35 -15834461.06 0.0089 0.0026
 Neptune -48064-07-05 08:23 J -15833767.44 -15833767.15 -15833766.85 0.0089 0.0009
 Uranus -48064-07-11 07:26 J -15833761.47 -15833761.19 -15833760.89 0.0136 0.0015
 Saturn -48063-09-23 18:28 J -15833322.04 -15833321.73 -15833321.41 0.0268 0.0068
 Neptune -48062-05-30 10:04 J -15833073.37 -15833073.08 -15833072.77 0.0089 0.0008
 Jupiter -48060-04-07 15:35 J -15832395.00 -15832394.85 -15832394.69 0.0534 0.0427
 Neptune -48060-04-23 10:04 J -15832379.35 -15832379.08 -15832378.78 0.0089 0.0024
 Neptune -48058-03-18 09:21 J -15831685.36 -15831685.11 -15831684.83 0.0089 0.0040

Neptune -48056-02-09 05:45 J -15830991.46 -15830991.26 -15830991.01 0.0089 0.0056

Neptune -48054-01-04 00:14 J -15830297.63 -15830297.49 -15830297.28 0.0089 0.0072

Jupiter -48054-10-18 19:54 J -15830009.70 -15830009.67 -15830009.61 0.0497 0.0491

Neptune -48053-11-27 19:11 J -15829603.77 -15829603.70 -15829603.61 0.0089 0.0086

Saturn -48049-10-19 20:23 J -15828181.85 -15828181.65 -15828181.44 0.0291 0.0189

Jupiter -48024-01-11 01:54 J -15819332.66 -15819332.42 -15819332.17 0.0532 0.0156

Saturn -48019-12-07 07:54 J -15817176.39 -15817176.17 -15817175.93 0.0291 0.0148

Saturn -48005-12-26 16:18 J -15812042.95 -15812042.82 -15812042.68 0.0268 0.0243

48TH MILLENNIUM BCE

This is a list of transits of Mars in the 48th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-47990-08-09 08:52 J	-15806704.28	-15806704.13	-15806703.96	0.0088	0.0076		
Neptune	-47988-07-04 11:16 J	-15806009.25	-15806009.03	-15806008.78	0.0088	0.0060		
Neptune	-47986-05-30 16:47 J	-15805314.06	-15805313.80	-15805313.49	0.0088	0.0043		
Neptune	-47984-04-25 02:09 J	-15804618.72	-15804618.41	-15804618.09	0.0088	0.0025		
Neptune	-47982-03-21 13:26 J	-15803923.26	-15803922.94	-15803922.60	0.0088	0.0008		
Neptune	-47980-02-14 03:06 J	-15803227.70	-15803227.37	-15803227.04	0.0088	0.0010		
Uranus	-47979-03-06 00:14 J	-15802842.73	-15802842.49	-15802842.24	0.0137	0.0073		
Neptune	-47978-01-10 19:54 J	-15802531.98	-15802531.67	-15802531.35	0.0088	0.0029		
Neptune	-47977-12-06 14:09 J	-15801836.16	-15801835.91	-15801835.59	0.0088	0.0047		
Neptune	-47975-11-02 10:33 J	-15801140.25	-15801140.06	-15801139.79	0.0088	0.0066		
Saturn	-47974-02-17 19:11 J	-15801033.00	-15801032.70	-15801032.40	0.0269	0.0104		

Neptune -47973-09-28 09:50 J -15800444.16 -15800444.09 -15800443.93 0.0088 0.0084
 Jupiter -47971-07-02 08:52 J -15799802.29 -15799802.13 -15799801.97 0.0493 0.0410
 Pluto -47966-10-12 23:30 J -15797873.81 -15797873.52 -15797873.22 0.0064 0.0005
 Saturn -47960-03-15 11:30 J -15795893.24 -15795893.02 -15795892.80 0.0291 0.0162
 Uranus -47941-08-12 05:30 J -15788803.57 -15788803.27 -15788802.96 0.0143 0.0046
 Jupiter -47935-04-07 13:40 J -15786739.21 -15786738.93 -15786738.65 0.0495 0.0121
 Saturn -47930-05-02 22:04 J -15784887.79 -15784887.58 -15784887.36 0.0291 0.0174
 Saturn -47916-05-22 20:09 J -15779753.86 -15779753.66 -15779753.44 0.0269 0.0203
 Neptune -47908-07-11 15:21 J -15776781.97 -15776781.86 -15776781.68 0.0089 0.0078
 Neptune -47906-06-06 04:33 J -15776087.51 -15776087.31 -15776087.06 0.0089 0.0062
 Jupiter -47906-07-02 13:54 J -15776061.15 -15776060.92 -15776060.69 0.0534 0.0261
 Neptune -47904-04-30 15:50 J -15775393.08 -15775392.84 -15775392.56 0.0089 0.0044
 Neptune -47902-03-25 23:45 J -15774698.78 -15774698.51 -15774698.20 0.0089 0.0027
 Neptune -47900-02-17 05:30 J -15774004.56 -15774004.27 -15774003.97 0.0089 0.0010
 Neptune -47898-01-12 09:50 J -15773310.38 -15773310.09 -15773309.79 0.0089 0.0007
 Uranus -47897-11-28 09:21 J -15772624.34 -15772624.11 -15772623.84 0.0136 0.0072
 Neptune -47897-12-06 11:59 J -15772616.28 -15772616.00 -15772615.70 0.0089 0.0023
 Neptune -47895-10-31 11:16 J -15771922.28 -15771922.03 -15771921.75 0.0089 0.0040
 Neptune -47893-09-24 10:33 J -15771228.27 -15771228.06 -15771227.81 0.0089 0.0056
 Neptune -47891-08-19 06:57 J -15770534.35 -15770534.21 -15770534.00 0.0089 0.0072
 Neptune -47889-07-13 01:26 J -15769840.48 -15769840.44 -15769840.33 0.0089 0.0086
 Saturn -47886-07-14 01:26 J -15768744.71 -15768744.44 -15768744.15 0.0269 0.0137
 Saturn -47872-08-09 07:26 J -15763604.42 -15763604.19 -15763603.95 0.0291 0.0131
 Jupiter -47870-04-07 04:47 J -15762998.50 -15762998.30 -15762998.10 0.0532 0.0330
 Uranus -47856-04-08 04:18 J -15757883.59 -15757883.32 -15757883.00 0.0142 0.0063
 Saturn -47842-09-27 08:09 J -15752598.32 -15752598.16 -15752597.98 0.0290 0.0223
 Saturn -47828-10-16 10:47 J -15747465.29 -15747465.05 -15747464.78 0.0269 0.0163
 Neptune -47826-03-23 16:47 J -15746941.92 -15746941.80 -15746941.61 0.0088 0.0078
 Neptune -47824-02-15 18:42 J -15746246.93 -15746246.72 -15746246.46 0.0088 0.0061
 Neptune -47822-01-11 22:47 J -15745551.83 -15745551.55 -15745551.27 0.0088 0.0044

Neptune -47821-12-07 04:18 J -15744856.62 -15744856.32 -15744856.00 0.0088 0.0026
 Neptune -47819-11-02 13:26 J -15744161.26 -15744160.94 -15744160.61 0.0088 0.0009
 Jupiter -47817-09-25 03:50 J -15743468.58 -15743468.34 -15743468.08 0.0494 0.0251
 Neptune -47817-09-28 01:11 J -15743465.77 -15743465.45 -15743465.12 0.0088 0.0010
 Neptune -47815-08-24 14:38 J -15742770.19 -15742769.89 -15742769.55 0.0088 0.0028
 Neptune -47813-07-20 07:26 J -15742074.45 -15742074.19 -15742073.88 0.0088 0.0046
 Uranus -47812-07-24 00:57 J -15741705.75 -15741705.46 -15741705.17 0.0136 0.0014
 Neptune -47811-06-16 03:21 J -15741378.56 -15741378.36 -15741378.11 0.0088 0.0065
 Neptune -47809-05-12 00:14 J -15740682.58 -15740682.49 -15740682.34 0.0088 0.0082
 Saturn -47798-12-08 16:04 J -15736455.05 -15736454.83 -15736454.59 0.0270 0.0190
 Saturn -47783-01-04 02:09 J -15731314.67 -15731314.41 -15731314.15 0.0290 0.0070
 Jupiter -47781-07-01 01:11 J -15730405.69 -15730405.45 -15730405.20 0.0495 0.0266
 Uranus -47774-12-29 00:28 J -15727668.58 -15727668.48 -15727668.33 0.0143 0.0131
 Saturn -47753-02-21 11:16 J -15720309.13 -15720309.03 -15720308.91 0.0290 0.0262
 Jupiter -47752-09-25 09:50 J -15719727.35 -15719727.09 -15719726.83 0.0533 0.0099
 Neptune -47744-02-23 06:14 J -15717019.37 -15717019.24 -15717019.11 0.0089 0.0080
 Neptune -47742-01-18 20:52 J -15716324.83 -15716324.63 -15716324.40 0.0089 0.0063
 Neptune -47741-12-13 08:38 J -15715630.38 -15715630.14 -15715629.85 0.0089 0.0047
 Saturn -47739-03-13 03:21 J -15715175.65 -15715175.36 -15715175.05 0.0269 0.0109
 Neptune -47739-11-07 19:40 J -15714935.95 -15714935.68 -15714935.38 0.0089 0.0029
 Neptune -47737-10-02 03:50 J -15714241.64 -15714241.34 -15714241.04 0.0089 0.0011
 Neptune -47735-08-27 09:21 J -15713547.41 -15713547.11 -15713546.81 0.0089 0.0006
 Neptune -47733-07-21 12:42 J -15712853.25 -15712852.97 -15712852.67 0.0089 0.0022
 Neptune -47731-06-15 15:06 J -15712159.13 -15712158.87 -15712158.60 0.0089 0.0039
 Uranus -47729-04-17 07:11 J -15711487.25 -15711487.20 -15711487.11 0.0135 0.0132
 Neptune -47729-05-09 13:40 J -15711465.14 -15711464.93 -15711464.67 0.0089 0.0055
 Uranus -47727-03-18 16:33 J -15710786.99 -15710786.81 -15710786.60 0.0136 0.0100
 Neptune -47727-04-03 12:42 J -15710771.14 -15710770.97 -15710770.78 0.0089 0.0071
 Neptune -47725-02-26 09:06 J -15710077.16 -15710077.12 -15710077.01 0.0089 0.0087
 Pluto -47719-03-04 20:23 J -15707878.95 -15707878.65 -15707878.36 0.0064 0.0002

Jupiter -47716-06-30 16:33 J -15706664.92 -15706664.81 -15706664.68 0.0532 0.0467
 Saturn -47709-05-03 20:52 J -15704165.76 -15704165.63 -15704165.48 0.0269 0.0242
 Saturn -47695-05-31 06:42 J -15699025.49 -15699025.22 -15699024.95 0.0291 0.0031
 Uranus -47689-08-23 19:26 J -15696749.00 -15696748.69 -15696748.37 0.0143 0.0026
 Neptune -47663-11-05 04:47 J -15687179.41 -15687179.30 -15687179.13 0.0088 0.0079
 Jupiter -47663-12-19 09:21 J -15687135.39 -15687135.11 -15687134.83 0.0494 0.0119
 Neptune -47661-09-30 03:06 J -15686484.56 -15686484.37 -15686484.11 0.0088 0.0063
 Neptune -47659-08-26 04:47 J -15685789.54 -15685789.30 -15685788.99 0.0088 0.0046
 Neptune -47657-07-21 10:04 J -15685094.38 -15685094.08 -15685093.76 0.0088 0.0028
 Neptune -47655-06-16 16:33 J -15684399.12 -15684398.81 -15684398.48 0.0088 0.0010
 Neptune -47653-05-12 02:23 J -15683703.73 -15683703.40 -15683703.07 0.0088 0.0008
 Neptune -47651-04-07 14:23 J -15683008.19 -15683007.90 -15683007.56 0.0088 0.0027
 Saturn -47651-08-07 13:26 J -15682886.26 -15682885.94 -15682885.62 0.0269 0.0052
 Neptune -47649-03-03 05:16 J -15682312.55 -15682312.28 -15682311.98 0.0088 0.0045
 Neptune -47647-01-27 21:50 J -15681616.79 -15681616.59 -15681616.33 0.0088 0.0064
 Neptune -47646-12-24 18:14 J -15680920.82 -15680920.74 -15680920.59 0.0088 0.0083
 Uranus -47645-12-10 23:02 J -15680568.81 -15680568.54 -15680568.26 0.0136 0.0046
 Jupiter -47627-09-24 16:47 J -15674071.95 -15674071.80 -15674071.65 0.0496 0.0420
 Saturn -47607-10-26 06:28 J -15666735.50 -15666735.23 -15666734.97 0.0290 0.0038
 Uranus -47604-04-19 18:28 J -15665828.99 -15665828.73 -15665828.46 0.0142 0.0082
 Jupiter -47598-12-19 18:42 J -15663393.98 -15663393.72 -15663393.46 0.0534 0.0038
 Neptune -47581-10-07 19:26 J -15657256.77 -15657256.69 -15657256.55 0.0089 0.0083
 Neptune -47579-09-02 12:42 J -15656562.14 -15656561.97 -15656561.72 0.0089 0.0066
 Neptune -47577-07-28 04:33 J -15655867.55 -15655867.31 -15655867.03 0.0089 0.0048
 Neptune -47575-06-22 16:04 J -15655173.11 -15655172.83 -15655172.54 0.0089 0.0030
 Neptune -47573-05-17 02:09 J -15654478.70 -15654478.41 -15654478.10 0.0089 0.0013
 Neptune -47571-04-11 10:04 J -15653784.38 -15653784.08 -15653783.78 0.0089 0.0004
 Neptune -47569-03-05 14:38 J -15653090.18 -15653089.89 -15653089.60 0.0089 0.0022
 Neptune -47567-01-28 17:16 J -15652396.04 -15652395.78 -15652395.50 0.0089 0.0038
 Neptune -47566-12-23 19:11 J -15651701.92 -15651701.70 -15651701.45 0.0089 0.0055

Neptune -47564-11-16 18:28 J -15651007.90 -15651007.73 -15651007.54 0.0089 0.0071
 Saturn -47562-01-01 21:21 J -15650596.93 -15650596.61 -15650596.28 0.0269 0.0003
 Neptune -47562-10-11 16:04 J -15650313.88 -15650313.83 -15650313.73 0.0089 0.0086
 Uranus -47560-08-05 15:06 J -15649650.14 -15649649.87 -15649649.58 0.0136 0.0040
 Saturn -47548-02-01 16:33 J -15645451.91 -15645451.81 -15645451.69 0.0290 0.0263
 Jupiter -47544-06-08 02:09 J -15643864.47 -15643864.41 -15643864.34 0.0492 0.0478
 Uranus -47521-01-09 13:54 J -15635614.10 -15635613.92 -15635613.70 0.0143 0.0111
 Saturn -47518-03-21 21:06 J -15634446.88 -15634446.62 -15634446.36 0.0291 0.0064
 Jupiter -47508-03-14 04:18 J -15630801.61 -15630801.32 -15630801.03 0.0494 0.0041
 Neptune -47499-06-19 18:42 J -15627416.81 -15627416.72 -15627416.55 0.0088 0.0081
 Neptune -47497-05-14 16:33 J -15626722.00 -15626721.81 -15626721.56 0.0088 0.0064
 Neptune -47495-04-09 16:04 J -15626027.08 -15626026.83 -15626026.54 0.0088 0.0047
 Neptune -47493-03-04 17:59 J -15625332.05 -15625331.75 -15625331.44 0.0088 0.0029
 Neptune -47491-01-28 23:45 J -15624636.83 -15624636.51 -15624636.19 0.0088 0.0011
 Neptune -47490-12-25 06:28 J -15623941.55 -15623941.23 -15623940.90 0.0088 0.0007
 Neptune -47488-11-19 15:35 J -15623246.14 -15623245.85 -15623245.51 0.0088 0.0026
 Neptune -47486-10-16 04:47 J -15622550.58 -15622550.30 -15622550.00 0.0088 0.0044
 Neptune -47484-09-10 19:40 J -15621854.88 -15621854.68 -15621854.42 0.0088 0.0063
 Neptune -47482-08-07 13:40 J -15621159.04 -15621158.93 -15621158.79 0.0088 0.0081
 Jupiter -47479-06-08 21:06 J -15620122.79 -15620122.62 -15620122.43 0.0536 0.0393
 Uranus -47477-04-29 18:42 J -15619431.88 -15619431.72 -15619431.52 0.0136 0.0107
 Uranus -47475-03-31 04:47 J -15618731.40 -15618731.30 -15618731.17 0.0137 0.0126
 Saturn -47474-05-29 05:45 J -15618307.58 -15618307.26 -15618306.94 0.0269 0.0048
 Pluto -47473-07-25 19:40 J -15617883.95 -15617883.68 -15617883.38 0.0064 0.0015
 Saturn -47460-06-28 00:14 J -15613163.61 -15613163.49 -15613163.33 0.0291 0.0247
 Jupiter -47443-03-14 15:35 J -15607060.08 -15607059.85 -15607059.60 0.0533 0.0204
 Uranus -47437-09-04 14:09 J -15604694.23 -15604693.91 -15604693.58 0.0143 0.0002
 Saturn -47430-08-16 00:28 J -15602157.73 -15602157.48 -15602157.23 0.0291 0.0110
 Neptune -47417-05-22 10:18 J -15597494.11 -15597494.07 -15597493.95 0.0089 0.0086
 Saturn -47416-08-31 11:30 J -15597028.08 -15597028.02 -15597027.92 0.0269 0.0260

Neptune -47415-04-17 04:47 J -15596799.47 -15596799.30 -15596799.07 0.0089 0.0068
 Neptune -47413-03-11 21:35 J -15596104.84 -15596104.60 -15596104.33 0.0089 0.0050
 Neptune -47411-02-04 12:42 J -15595410.26 -15595409.97 -15595409.68 0.0089 0.0033
 Neptune -47410-12-30 23:30 J -15594715.81 -15594715.52 -15594715.21 0.0089 0.0015
 Neptune -47408-11-24 09:06 J -15594021.42 -15594021.12 -15594020.81 0.0089 0.0003
 Neptune -47406-10-19 16:47 J -15593327.09 -15593326.80 -15593326.50 0.0089 0.0021
 Neptune -47404-09-12 21:50 J -15592632.86 -15592632.59 -15592632.32 0.0089 0.0038
 Neptune -47402-08-07 23:59 J -15591938.72 -15591938.50 -15591938.25 0.0089 0.0054
 Neptune -47400-07-02 01:26 J -15591244.60 -15591244.44 -15591244.24 0.0089 0.0070
 Neptune -47398-05-27 00:42 J -15590550.51 -15590550.47 -15590550.37 0.0089 0.0087
 Uranus -47393-12-23 08:23 J -15588513.43 -15588513.15 -15588512.85 0.0136 0.0022
 Jupiter -47390-09-02 04:47 J -15587530.52 -15587530.30 -15587530.07 0.0493 0.0304
 Saturn -47386-10-22 11:45 J -15586019.32 -15586019.01 -15586018.69 0.0269 0.0078
 Saturn -47372-11-21 19:26 J -15580874.86 -15580874.69 -15580874.50 0.0291 0.0212
 Jupiter -47354-06-08 00:28 J -15574467.74 -15574467.48 -15574467.22 0.0494 0.0212
 Uranus -47352-05-01 11:16 J -15573774.23 -15573774.03 -15573773.80 0.0142 0.0106
 Saturn -47341-01-08 20:38 J -15569869.87 -15569869.64 -15569869.38 0.0291 0.0116
 Neptune -47335-02-01 12:57 J -15567654.06 -15567653.96 -15567653.83 0.0088 0.0082
 Neptune -47334-12-28 07:11 J -15566959.38 -15566959.20 -15566958.95 0.0088 0.0066
 Neptune -47332-11-22 05:16 J -15566264.52 -15566264.28 -15566263.99 0.0088 0.0049
 Neptune -47330-10-18 05:45 J -15565569.55 -15565569.26 -15565568.94 0.0088 0.0031
 Neptune -47328-09-12 07:54 J -15564874.48 -15564874.17 -15564873.84 0.0088 0.0012
 Saturn -47327-01-24 09:35 J -15564740.24 -15564740.10 -15564739.93 0.0269 0.0237
 Neptune -47326-08-08 14:09 J -15564179.24 -15564178.91 -15564178.59 0.0088 0.0006
 Jupiter -47325-09-02 07:54 J -15563788.42 -15563788.17 -15563787.92 0.0535 0.0188
 Neptune -47324-07-03 21:50 J -15563483.89 -15563483.59 -15563483.26 0.0088 0.0025
 Neptune -47322-05-30 08:09 J -15562788.43 -15562788.16 -15562787.86 0.0088 0.0044
 Neptune -47320-04-24 21:21 J -15562092.82 -15562092.61 -15562092.36 0.0088 0.0062
 Neptune -47318-03-21 12:57 J -15561397.05 -15561396.96 -15561396.79 0.0088 0.0081
 Uranus -47308-08-17 20:09 J -15557594.90 -15557594.66 -15557594.38 0.0136 0.0063

Saturn -47297-03-17 09:06 J -15553730.41 -15553730.12 -15553729.82 0.0269 0.0114
 Jupiter -47289-06-08 05:16 J -15550725.44 -15550725.28 -15550725.11 0.0534 0.0415
 Saturn -47283-04-16 14:38 J -15548587.08 -15548586.89 -15548586.71 0.0291 0.0208
 Uranus -47269-01-21 07:40 J -15543559.41 -15543559.18 -15543558.91 0.0143 0.0089
 Neptune -47253-01-05 00:57 J -15537731.46 -15537731.46 -15537731.41 0.0089 0.0089
 Saturn -47253-06-03 03:50 J -15537581.57 -15537581.34 -15537581.10 0.0291 0.0138
 Neptune -47252-11-29 22:47 J -15537036.73 -15537036.55 -15537036.35 0.0089 0.0070
 Neptune -47250-10-25 16:33 J -15536342.05 -15536341.81 -15536341.55 0.0089 0.0052
 Neptune -47248-09-19 08:09 J -15535647.44 -15535647.16 -15535646.87 0.0089 0.0034
 Neptune -47246-08-14 22:33 J -15534952.86 -15534952.56 -15534952.25 0.0089 0.0016
 Neptune -47244-07-09 09:35 J -15534258.40 -15534258.10 -15534257.79 0.0089 0.0002
 Neptune -47242-06-03 17:59 J -15533564.04 -15533563.75 -15533563.45 0.0089 0.0020
 Neptune -47240-04-28 00:57 J -15532869.72 -15532869.46 -15532869.17 0.0089 0.0037
 Saturn -47239-06-20 05:30 J -15532451.47 -15532451.27 -15532451.05 0.0269 0.0204
 Neptune -47238-03-23 05:02 J -15532175.50 -15532175.29 -15532175.02 0.0089 0.0055
 Neptune -47236-02-14 07:11 J -15531481.36 -15531481.20 -15531481.00 0.0089 0.0071
 Jupiter -47236-11-26 12:14 J -15531196.26 -15531195.99 -15531195.70 0.0492 0.0114
 Neptune -47234-01-09 07:40 J -15530787.23 -15530787.18 -15530787.08 0.0089 0.0086
 Pluto -47227-12-16 23:45 J -15527888.72 -15527888.51 -15527888.26 0.0064 0.0040
 Uranus -47225-05-11 20:23 J -15527376.87 -15527376.65 -15527376.43 0.0136 0.0088
 Saturn -47209-08-09 22:47 J -15521442.82 -15521442.55 -15521442.25 0.0269 0.0131
 Jupiter -47200-09-01 14:38 J -15518133.03 -15518132.89 -15518132.72 0.0494 0.0415
 Saturn -47195-09-09 18:28 J -15516298.92 -15516298.73 -15516298.52 0.0291 0.0191
 Uranus -47185-09-15 23:30 J -15512639.83 -15512639.52 -15512639.19 0.0142 0.0015
 Neptune -47172-09-16 09:21 J -15507891.18 -15507891.11 -15507890.98 0.0088 0.0084
 Jupiter -47171-11-27 19:54 J -15507453.93 -15507453.67 -15507453.40 0.0536 0.0020
 Neptune -47170-08-12 02:09 J -15507196.61 -15507196.41 -15507196.20 0.0088 0.0067
 Neptune -47168-07-06 20:38 J -15506501.89 -15506501.64 -15506501.36 0.0088 0.0050
 Neptune -47166-06-01 18:57 J -15505806.98 -15505806.71 -15505806.39 0.0088 0.0033
 Saturn -47165-10-27 02:09 J -15505293.63 -15505293.41 -15505293.17 0.0290 0.0146

Neptune -47164-04-26 20:38 J -15505111.96 -15505111.64 -15505111.32 0.0088 0.0014
 Neptune -47162-03-22 23:16 J -15504416.85 -15504416.53 -15504416.20 0.0088 0.0005
 Neptune -47160-02-15 05:02 J -15503721.58 -15503721.29 -15503720.96 0.0088 0.0024
 Neptune -47158-01-11 14:23 J -15503026.18 -15503025.90 -15503025.60 0.0088 0.0043
 Neptune -47157-12-07 00:42 J -15502330.69 -15502330.47 -15502330.21 0.0088 0.0061
 Neptune -47155-11-02 14:09 J -15501635.02 -15501634.91 -15501634.74 0.0088 0.0080
 Saturn -47151-11-12 18:14 J -15500163.96 -15500163.74 -15500163.50 0.0269 0.0187
 Uranus -47140-01-04 07:26 J -15496458.49 -15496458.19 -15496457.90 0.0136 0.0005
 Saturn -47120-01-03 18:57 J -15489153.96 -15489153.71 -15489153.45 0.0269 0.0166
 Jupiter -47117-05-17 06:42 J -15487924.35 -15487924.22 -15487924.07 0.0491 0.0426
 Saturn -47106-02-03 00:14 J -15484010.70 -15484010.49 -15484010.27 0.0290 0.0172
 Uranus -47100-05-12 16:04 J -15481719.99 -15481719.83 -15481719.64 0.0142 0.0118
 Neptune -47088-07-14 13:54 J -15477274.09 -15477273.92 -15477273.74 0.0089 0.0073
 Neptune -47086-06-09 10:33 J -15476579.28 -15476579.06 -15476578.79 0.0089 0.0055
 Neptune -47084-05-04 04:33 J -15475884.58 -15475884.31 -15475884.02 0.0089 0.0036
 Neptune -47082-03-29 19:26 J -15475189.98 -15475189.69 -15475189.38 0.0089 0.0018
 Jupiter -47081-02-21 00:28 J -15474861.77 -15474861.48 -15474861.20 0.0493 0.0078
 Neptune -47080-02-21 09:06 J -15474495.43 -15474495.12 -15474494.81 0.0089 0.0000
 Neptune -47078-01-16 20:09 J -15473800.95 -15473800.66 -15473800.35 0.0089 0.0018
 Neptune -47077-12-11 03:35 J -15473106.61 -15473106.35 -15473106.06 0.0089 0.0036
 Saturn -47076-03-22 08:23 J -15473005.36 -15473005.15 -15473004.92 0.0290 0.0166
 Neptune -47075-11-05 10:33 J -15472412.29 -15472412.06 -15472411.81 0.0089 0.0054
 Neptune -47073-09-29 15:06 J -15471718.04 -15471717.87 -15471717.67 0.0089 0.0071
 Neptune -47071-08-24 16:18 J -15471023.85 -15471023.82 -15471023.72 0.0089 0.0087
 Saturn -47062-04-08 15:50 J -15467875.10 -15467874.84 -15467874.56 0.0270 0.0151
 Uranus -47056-08-29 19:40 J -15465539.90 -15465539.68 -15465539.41 0.0136 0.0079
 Jupiter -47052-05-17 23:45 J -15464182.67 -15464182.51 -15464182.33 0.0537 0.0410
 Saturn -47032-05-29 15:21 J -15456866.08 -15456865.86 -15456865.63 0.0269 0.0192
 Saturn -47018-06-29 11:30 J -15451722.24 -15451722.02 -15451721.78 0.0290 0.0149
 Uranus -47017-02-01 11:45 J -15451505.26 -15451505.01 -15451504.72 0.0143 0.0076

Jupiter -47016-02-21 05:16 J -15451119.52 -15451119.28 -15451119.04 0.0535 0.0214

Neptune -47008-05-01 07:11 J -15448128.25 -15448128.20 -15448128.10 0.0088 0.0086

Neptune -47006-03-26 23:02 J -15447433.71 -15447433.54 -15447433.32 0.0088 0.0069

Neptune -47004-02-18 16:47 J -15446739.04 -15446738.80 -15446738.53 0.0088 0.0052

Neptune -47002-01-14 12:14 J -15446044.27 -15446043.99 -15446043.69 0.0088 0.0034

Neptune -47001-12-09 10:47 J -15445349.35 -15445349.05 -15445348.72 0.0088 0.0016

47TH MILLENNIUM BCE

This is a list of transits of Mars in the 47th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-46999-11-04 12:42 J	-15444654.29	-15444653.97	-15444653.65	0.0088	0.0003		
Neptune	-46997-09-29 16:04 J	-15443959.14	-15443958.83	-15443958.51	0.0088	0.0022		
Neptune	-46995-08-25 22:04 J	-15443263.86	-15443263.58	-15443263.29	0.0088	0.0042		
Neptune	-46993-07-21 07:54 J	-15442568.39	-15442568.17	-15442567.92	0.0088	0.0061		
Neptune	-46991-06-16 19:11 J	-15441872.82	-15441872.70	-15441872.54	0.0088	0.0080		
Saturn	-46988-08-16 07:11 J	-15440716.37	-15440716.20	-15440716.00	0.0290	0.0205		
Pluto	-46980-05-09 02:09 J	-15437893.43	-15437893.41	-15437893.33	0.0064	0.0063		
Saturn	-46974-09-01 18:42 J	-15435587.00	-15435586.72	-15435586.42	0.0269	0.0119		
Uranus	-46973-05-23 17:16 J	-15435322.02	-15435321.78	-15435321.52	0.0136	0.0072		
Jupiter	-46963-08-11 08:09 J	-15431590.40	-15431590.16	-15431589.92	0.0491	0.0259		
Saturn	-46944-10-23 21:35 J	-15424576.73	-15424576.60	-15424576.44	0.0270	0.0240		
Uranus	-46933-09-27 04:47 J	-15420585.60	-15420585.30	-15420584.97	0.0143	0.0030		
Saturn	-46930-11-23 20:38 J	-15419432.89	-15419432.64	-15419432.38	0.0289	0.0096		

Jupiter -46927-05-16 19:54 J -15418527.91 -15418527.67 -15418527.41 0.0492 0.0234
 Neptune -46924-02-26 05:16 J -15417511.43 -15417511.28 -15417511.11 0.0089 0.0076
 Neptune -46922-01-22 02:52 J -15416816.59 -15416816.38 -15416816.11 0.0089 0.0058
 Neptune -46921-12-16 23:45 J -15416121.77 -15416121.51 -15416121.21 0.0089 0.0039
 Neptune -46919-11-11 17:16 J -15415427.07 -15415426.78 -15415426.47 0.0089 0.0020
 Neptune -46917-10-06 07:40 J -15414732.48 -15414732.18 -15414731.87 0.0089 0.0002
 Neptune -46915-08-31 20:09 J -15414037.95 -15414037.66 -15414037.34 0.0089 0.0017
 Neptune -46913-07-26 07:11 J -15413343.47 -15413343.20 -15413342.91 0.0089 0.0035
 Neptune -46911-06-20 13:54 J -15412649.13 -15412648.92 -15412648.65 0.0089 0.0054
 Neptune -46909-05-14 19:54 J -15411954.82 -15411954.67 -15411954.45 0.0089 0.0071
 Neptune -46907-04-09 00:57 J -15411260.52 -15411260.46 -15411260.39 0.0089 0.0087
 Saturn -46899-01-10 04:04 J -15408427.47 -15408427.33 -15408427.17 0.0290 0.0238
 Jupiter -46898-08-12 02:09 J -15407848.65 -15407848.41 -15407848.17 0.0537 0.0227
 Uranus -46888-01-16 05:45 J -15404403.56 -15404403.26 -15404402.96 0.0136 0.0012
 Saturn -46885-01-27 03:35 J -15403297.65 -15403297.35 -15403297.03 0.0270 0.0070
 Jupiter -46862-05-17 21:21 J -15394785.80 -15394785.61 -15394785.42 0.0535 0.0366
 Uranus -46848-05-23 22:47 J -15389665.62 -15389665.55 -15389665.43 0.0142 0.0136
 Neptune -46845-12-14 08:52 J -15388365.15 -15388365.13 -15388365.08 0.0089 0.0088
 Neptune -46843-11-08 21:35 J -15387670.78 -15387670.60 -15387670.41 0.0088 0.0071
 Saturn -46841-04-18 20:38 J -15387143.89 -15387143.64 -15387143.37 0.0290 0.0061
 Neptune -46841-10-03 12:28 J -15386976.20 -15386975.98 -15386975.70 0.0088 0.0054
 Neptune -46839-08-29 07:26 J -15386281.46 -15386281.19 -15386280.88 0.0088 0.0036
 Neptune -46837-07-24 03:21 J -15385586.66 -15385586.36 -15385586.04 0.0088 0.0017
 Neptune -46835-06-19 02:38 J -15384891.70 -15384891.39 -15384891.06 0.0088 0.0003
 Neptune -46833-05-14 04:47 J -15384196.59 -15384196.30 -15384195.97 0.0088 0.0022
 Neptune -46831-04-09 09:21 J -15383501.37 -15383501.11 -15383500.80 0.0088 0.0041
 Neptune -46829-03-04 16:04 J -15382806.05 -15382805.83 -15382805.57 0.0088 0.0060
 Neptune -46827-01-29 02:52 J -15382110.52 -15382110.38 -15382110.23 0.0088 0.0079
 Jupiter -46809-11-03 18:57 J -15375256.98 -15375256.71 -15375256.43 0.0491 0.0123
 Uranus -46804-09-10 15:21 J -15373485.04 -15373484.86 -15373484.62 0.0136 0.0096

Saturn -46797-06-22 06:42 J -15371008.54 -15371008.22 -15371007.89 0.0270 0.0019
 Jupiter -46773-08-09 12:57 J -15362194.13 -15362193.96 -15362193.78 0.0493 0.0384
 Uranus -46765-02-12 23:16 J -15359450.82 -15359450.53 -15359450.24 0.0143 0.0058
 Neptune -46761-10-10 18:28 J -15357748.84 -15357748.73 -15357748.56 0.0089 0.0080
 Neptune -46759-09-05 19:54 J -15357053.87 -15357053.67 -15357053.41 0.0089 0.0061
 Neptune -46757-07-31 18:14 J -15356359.01 -15356358.74 -15356358.46 0.0089 0.0041
 Neptune -46755-06-26 14:09 J -15355664.20 -15355663.91 -15355663.60 0.0089 0.0022
 Neptune -46753-05-21 07:40 J -15354969.49 -15354969.18 -15354968.87 0.0089 0.0003
 Saturn -46753-09-13 22:33 J -15354853.83 -15354853.56 -15354853.30 0.0289 0.0012
 Neptune -46751-04-15 21:06 J -15354274.91 -15354274.62 -15354274.30 0.0089 0.0016
 Neptune -46749-03-10 08:38 J -15353580.41 -15353580.14 -15353579.84 0.0089 0.0034
 Neptune -46747-02-02 18:42 J -15352885.94 -15352885.72 -15352885.45 0.0089 0.0052
 Neptune -46746-12-29 01:40 J -15352191.58 -15352191.43 -15352191.21 0.0089 0.0071
 Jupiter -46744-11-04 09:21 J -15351515.37 -15351515.11 -15351514.85 0.0537 0.0090
 Neptune -46744-11-22 06:28 J -15351497.25 -15351497.23 -15351497.12 0.0089 0.0088
 Uranus -46721-06-04 10:47 J -15343267.31 -15343267.05 -15343266.77 0.0136 0.0058
 Saturn -46709-11-16 18:28 J -15338719.05 -15338718.73 -15338718.41 0.0270 0.0037
 Jupiter -46708-08-10 02:23 J -15338452.49 -15338452.40 -15338452.29 0.0535 0.0493
 Saturn -46695-12-22 13:11 J -15333569.96 -15333569.95 -15333569.91 0.0289 0.0288
 Jupiter -46690-04-24 21:35 J -15331985.67 -15331985.60 -15331985.50 0.0490 0.0466
 Uranus -46681-10-08 13:54 J -15328531.21 -15328530.92 -15328530.61 0.0142 0.0045
 Neptune -46679-06-23 22:33 J -15327907.70 -15327907.56 -15327907.35 0.0088 0.0074
 Neptune -46677-05-18 12:42 J -15327213.19 -15327212.97 -15327212.71 0.0088 0.0056
 Neptune -46675-04-13 04:33 J -15326518.58 -15326518.31 -15326518.01 0.0088 0.0038
 Neptune -46673-03-08 00:14 J -15325823.79 -15325823.49 -15325823.17 0.0088 0.0019
 Neptune -46671-01-31 20:52 J -15325128.94 -15325128.63 -15325128.31 0.0088 0.0002
 Neptune -46670-12-27 19:54 J -15324433.97 -15324433.67 -15324433.35 0.0088 0.0019
 Neptune -46668-11-21 22:33 J -15323738.84 -15323738.56 -15323738.26 0.0088 0.0039
 Neptune -46666-10-18 03:06 J -15323043.58 -15323043.37 -15323043.10 0.0088 0.0059
 Saturn -46664-02-07 19:40 J -15322564.94 -15322564.68 -15322564.41 0.0290 0.0045

Neptune -46664-09-12 10:33 J -15322348.20 -15322348.06 -15322347.89 0.0088 0.0078
 Jupiter -46654-01-28 10:04 J -15318923.36 -15318923.08 -15318922.80 0.0491 0.0022
 Saturn -46650-02-20 08:09 J -15317439.18 -15317439.16 -15317439.10 0.0270 0.0268
 Pluto -46646-04-10 19:11 J -15315928.75 -15315928.70 -15315928.57 0.0081 0.0078
 Uranus -46636-01-27 21:21 J -15312348.89 -15312348.61 -15312348.31 0.0136 0.0024
 Saturn -46620-04-13 09:21 J -15306429.41 -15306429.11 -15306428.80 0.0270 0.0093
 Saturn -46606-05-18 05:45 J -15301281.36 -15301281.26 -15301281.13 0.0290 0.0261
 Neptune -46597-05-25 08:09 J -15297986.24 -15297986.16 -15297986.02 0.0089 0.0083
 Neptune -46595-04-20 10:33 J -15297291.25 -15297291.06 -15297290.81 0.0089 0.0064
 Neptune -46593-03-15 11:30 J -15296596.28 -15296596.02 -15296595.73 0.0089 0.0044
 Neptune -46591-02-08 08:38 J -15295901.43 -15295901.14 -15295900.82 0.0089 0.0025
 Neptune -46589-01-04 03:50 J -15295206.65 -15295206.34 -15295206.03 0.0089 0.0005
 Jupiter -46589-01-28 23:16 J -15295181.79 -15295181.53 -15295181.26 0.0536 0.0064
 Neptune -46588-11-28 20:38 J -15294511.94 -15294511.64 -15294511.33 0.0089 0.0014
 Neptune -46586-10-24 09:50 J -15293817.36 -15293817.09 -15293816.79 0.0089 0.0033
 Neptune -46584-09-17 21:06 J -15293122.85 -15293122.62 -15293122.35 0.0089 0.0051
 Neptune -46582-08-13 06:28 J -15292428.39 -15292428.23 -15292428.00 0.0089 0.0070
 Neptune -46580-07-07 14:23 J -15291733.95 -15291733.90 -15291733.81 0.0089 0.0087
 Saturn -46576-07-05 09:50 J -15290275.33 -15290275.09 -15290274.83 0.0289 0.0103
 Saturn -46562-07-17 23:59 J -15285149.68 -15285149.50 -15285149.30 0.0270 0.0215
 Uranus -46554-10-22 13:40 J -15282130.99 -15282130.93 -15282130.81 0.0135 0.0130
 Uranus -46552-09-22 09:21 J -15281430.28 -15281430.11 -15281429.91 0.0136 0.0107
 Jupiter -46536-07-18 17:02 J -15275652.00 -15275651.79 -15275651.57 0.0490 0.0313
 Saturn -46532-09-07 03:21 J -15274140.63 -15274140.36 -15274140.07 0.0270 0.0134
 Saturn -46518-10-12 11:45 J -15268992.18 -15268992.01 -15268991.82 0.0289 0.0213
 Neptune -46515-02-06 01:40 J -15268144.58 -15268144.43 -15268144.27 0.0089 0.0076
 Neptune -46513-01-01 13:26 J -15267450.14 -15267449.94 -15267449.68 0.0088 0.0059
 Uranus -46513-02-24 04:04 J -15267396.63 -15267396.33 -15267396.04 0.0143 0.0047
 Neptune -46512-11-26 04:18 J -15266755.59 -15266755.32 -15266755.04 0.0088 0.0040
 Neptune -46510-10-21 20:09 J -15266060.95 -15266060.66 -15266060.34 0.0088 0.0022

Neptune -46508-09-15 16:04 J -15265366.14 -15265365.83 -15265365.51 0.0088 0.0003
 Neptune -46506-08-11 13:40 J -15264671.23 -15264670.93 -15264670.60 0.0088 0.0018
 Neptune -46504-07-06 12:57 J -15263976.22 -15263975.96 -15263975.64 0.0088 0.0038
 Neptune -46502-06-01 16:47 J -15263281.04 -15263280.80 -15263280.54 0.0088 0.0057
 Jupiter -46500-04-22 23:45 J -15262589.77 -15262589.51 -15262589.24 0.0491 0.0173
 Neptune -46500-04-26 22:18 J -15262585.70 -15262585.57 -15262585.38 0.0088 0.0077
 Saturn -46488-11-28 14:38 J -15257987.13 -15257986.89 -15257986.64 0.0290 0.0118
 Saturn -46474-12-11 08:38 J -15252861.36 -15252861.14 -15252860.89 0.0270 0.0183
 Jupiter -46471-07-18 21:50 J -15251910.77 -15251910.59 -15251910.38 0.0538 0.0365
 Uranus -46469-06-16 02:23 J -15251212.66 -15251212.40 -15251212.10 0.0136 0.0047
 Saturn -46443-02-01 09:21 J -15241851.34 -15241851.11 -15241850.86 0.0270 0.0178
 Jupiter -46435-04-24 08:23 J -15238847.38 -15238847.15 -15238846.91 0.0537 0.0266
 Neptune -46433-01-07 20:52 J -15238223.67 -15238223.63 -15238223.54 0.0089 0.0087
 Neptune -46432-12-03 01:26 J -15237528.63 -15237528.44 -15237528.21 0.0089 0.0067
 Neptune -46430-10-29 03:06 J -15236833.62 -15236833.37 -15236833.08 0.0089 0.0047
 Saturn -46429-03-06 11:59 J -15236704.18 -15236704.00 -15236703.80 0.0289 0.0203
 Uranus -46429-10-19 18:57 J -15236476.99 -15236476.71 -15236476.41 0.0142 0.0057
 Neptune -46428-09-23 03:21 J -15236138.66 -15236138.36 -15236138.06 0.0089 0.0027
 Neptune -46426-08-19 00:28 J -15235443.78 -15235443.48 -15235443.16 0.0089 0.0008
 Neptune -46424-07-13 18:28 J -15234749.03 -15234748.73 -15234748.42 0.0089 0.0012
 Neptune -46422-06-08 10:47 J -15234054.33 -15234054.05 -15234053.75 0.0089 0.0031
 Neptune -46420-05-02 23:45 J -15233359.74 -15233359.51 -15233359.24 0.0089 0.0051
 Neptune -46418-03-28 10:18 J -15232665.25 -15232665.07 -15232664.87 0.0089 0.0069
 Neptune -46416-02-19 18:28 J -15231970.78 -15231970.73 -15231970.62 0.0089 0.0086
 Pluto -46400-08-31 22:33 J -15225933.90 -15225933.56 -15225933.22 0.0081 0.0004
 Saturn -46399-04-24 04:33 J -15225698.53 -15225698.31 -15225698.07 0.0290 0.0148
 Saturn -46385-05-06 11:02 J -15220572.31 -15220572.04 -15220571.76 0.0270 0.0144
 Uranus -46384-02-08 14:52 J -15220294.15 -15220293.88 -15220293.58 0.0136 0.0038
 Jupiter -46382-10-12 19:26 J -15219317.96 -15219317.69 -15219317.42 0.0490 0.0141
 Saturn -46355-06-27 03:35 J -15209563.56 -15209563.35 -15209563.12 0.0270 0.0198

Neptune -46352-09-21 06:42 J -15208381.34 -15208381.22 -15208381.06 0.0089 0.0079
 Neptune -46350-08-16 16:04 J -15207687.04 -15207686.83 -15207686.59 0.0089 0.0061
 Neptune -46348-07-11 04:18 J -15206992.57 -15206992.32 -15206992.03 0.0088 0.0043
 Neptune -46346-06-05 19:40 J -15206297.97 -15206297.68 -15206297.37 0.0088 0.0024
 Uranus -46346-07-12 00:57 J -15206261.55 -15206261.46 -15206261.34 0.0143 0.0134
 Jupiter -46346-07-18 09:21 J -15206255.30 -15206255.11 -15206254.91 0.0492 0.0357
 Neptune -46344-04-30 12:42 J -15205603.28 -15205602.97 -15205602.65 0.0088 0.0004
 Neptune -46342-03-26 08:23 J -15204908.46 -15204908.15 -15204907.84 0.0088 0.0016
 Saturn -46341-07-30 20:09 J -15204415.87 -15204415.66 -15204415.45 0.0289 0.0182
 Neptune -46340-02-18 06:57 J -15204213.49 -15204213.21 -15204212.90 0.0088 0.0035
 Neptune -46338-01-14 06:42 J -15203518.44 -15203518.22 -15203517.94 0.0088 0.0055
 Neptune -46337-12-09 10:33 J -15202823.22 -15202823.06 -15202822.88 0.0088 0.0075
 Jupiter -46317-10-12 09:50 J -15195576.34 -15195576.09 -15195575.83 0.0539 0.0157
 Saturn -46311-09-17 02:09 J -15193410.62 -15193410.41 -15193410.17 0.0289 0.0156
 Uranus -46302-11-03 06:14 J -15190076.38 -15190076.24 -15190076.08 0.0135 0.0116
 Uranus -46300-10-04 01:40 J -15189375.54 -15189375.43 -15189375.27 0.0136 0.0122
 Saturn -46297-09-29 00:14 J -15188284.77 -15188284.49 -15188284.20 0.0270 0.0127
 Jupiter -46281-07-18 21:06 J -15182512.73 -15182512.62 -15182512.48 0.0536 0.0471
 Neptune -46268-07-17 13:40 J -15177766.10 -15177765.93 -15177765.71 0.0089 0.0071
 Saturn -46267-11-20 22:47 J -15177274.69 -15177274.55 -15177274.37 0.0270 0.0234
 Neptune -46266-06-12 17:30 J -15177071.00 -15177070.77 -15177070.48 0.0089 0.0051
 Neptune -46264-05-07 18:57 J -15176376.00 -15176375.71 -15176375.41 0.0089 0.0030
 Jupiter -46263-04-03 01:26 J -15176045.56 -15176045.44 -15176045.31 0.0488 0.0434
 Neptune -46262-04-02 17:59 J -15175681.06 -15175680.75 -15175680.43 0.0089 0.0010
 Uranus -46261-03-06 18:42 J -15175342.03 -15175341.72 -15175341.41 0.0143 0.0029
 Neptune -46260-02-25 14:52 J -15174986.18 -15174985.88 -15174985.56 0.0089 0.0010
 Neptune -46258-01-21 08:09 J -15174291.45 -15174291.16 -15174290.87 0.0089 0.0029
 Neptune -46257-12-15 23:30 J -15173596.75 -15173596.52 -15173596.24 0.0089 0.0049
 Neptune -46255-11-10 13:11 J -15172902.15 -15172901.95 -15172901.75 0.0089 0.0068
 Neptune -46253-10-04 22:33 J -15172207.60 -15172207.56 -15172207.44 0.0089 0.0086

Saturn -46253-12-23 21:21 J -15172127.82 -15172127.61 -15172127.38 0.0289 0.0168
 Pluto -46243-08-23 15:21 J -15168598.04 -15168597.86 -15168597.61 0.0064 0.0044
 Jupiter -46227-01-06 08:23 J -15162983.43 -15162983.15 -15162982.87 0.0490 0.0044
 Saturn -46222-02-10 05:59 J -15161122.45 -15161122.25 -15161122.03 0.0289 0.0173
 Uranus -46217-06-27 18:42 J -15159158.00 -15159157.72 -15159157.41 0.0136 0.0033
 Saturn -46208-02-22 18:14 J -15155996.04 -15155995.74 -15155995.44 0.0271 0.0094
 Neptune -46188-05-06 11:16 J -15148618.12 -15148618.03 -15148617.89 0.0089 0.0082
 Neptune -46186-03-31 20:52 J -15147923.83 -15147923.63 -15147923.40 0.0089 0.0064
 Neptune -46184-02-23 06:28 J -15147229.47 -15147229.23 -15147228.95 0.0088 0.0046
 Neptune -46182-01-18 19:26 J -15146534.97 -15146534.69 -15146534.38 0.0088 0.0027
 Neptune -46181-12-13 11:30 J -15145840.33 -15145840.02 -15145839.71 0.0088 0.0007
 Neptune -46179-11-08 04:47 J -15145145.60 -15145145.30 -15145144.98 0.0088 0.0013
 Saturn -46178-04-15 12:42 J -15144987.07 -15144986.97 -15144986.84 0.0270 0.0252
 Neptune -46177-10-03 00:14 J -15144450.76 -15144450.49 -15144450.17 0.0088 0.0034
 Uranus -46177-10-31 10:33 J -15144422.31 -15144422.06 -15144421.77 0.0142 0.0077
 Neptune -46175-08-28 23:45 J -15143755.74 -15143755.51 -15143755.23 0.0088 0.0054
 Neptune -46173-07-24 00:28 J -15143060.63 -15143060.48 -15143060.27 0.0088 0.0074
 Saturn -46164-05-19 02:52 J -15139839.60 -15139839.38 -15139839.14 0.0289 0.0151
 Jupiter -46162-01-07 01:26 J -15139241.71 -15139241.44 -15139241.17 0.0538 0.0056
 Saturn -46134-07-06 20:09 J -15128833.85 -15128833.66 -15128833.47 0.0289 0.0202
 Uranus -46132-02-20 05:59 J -15128239.52 -15128239.25 -15128238.96 0.0136 0.0050
 Saturn -46120-07-18 11:45 J -15123708.31 -15123708.01 -15123707.69 0.0271 0.0071
 Jupiter -46109-06-27 08:52 J -15119711.37 -15119711.13 -15119710.90 0.0489 0.0263
 Neptune -46104-02-28 23:16 J -15118003.68 -15118003.53 -15118003.34 0.0089 0.0075
 Neptune -46102-01-25 06:42 J -15117308.47 -15117308.22 -15117307.97 0.0089 0.0054
 Neptune -46101-12-20 09:50 J -15116613.37 -15116613.09 -15116612.78 0.0089 0.0034
 Neptune -46099-11-15 10:18 J -15115918.38 -15115918.07 -15115917.75 0.0089 0.0013
 Neptune -46097-10-10 08:23 J -15115223.46 -15115223.15 -15115222.83 0.0089 0.0007
 Neptune -46095-09-05 04:47 J -15114528.59 -15114528.30 -15114527.99 0.0089 0.0027
 Uranus -46094-07-23 17:45 J -15114206.93 -15114206.76 -15114206.57 0.0143 0.0116

Neptune -46093-07-30 21:35 J -15113833.85 -15113833.60 -15113833.32 0.0089 0.0047
 Neptune -46091-06-25 12:28 J -15113139.17 -15113138.98 -15113138.76 0.0089 0.0066
 Neptune -46089-05-20 00:57 J -15112444.52 -15112444.46 -15112444.34 0.0089 0.0085
 Saturn -46076-10-13 02:09 J -15107550.66 -15107550.41 -15107550.16 0.0288 0.0108
 Jupiter -46073-04-01 11:59 J -15106649.25 -15106649.00 -15106648.74 0.0490 0.0209
 Uranus -46050-11-14 20:23 J -15098021.83 -15098021.65 -15098021.45 0.0135 0.0105
 Uranus -46048-10-15 18:57 J -15097320.76 -15097320.71 -15097320.63 0.0136 0.0133
 Saturn -46046-11-30 09:35 J -15096545.25 -15096545.10 -15096544.93 0.0289 0.0229
 Jupiter -46044-06-26 15:21 J -15095971.04 -15095970.86 -15095970.68 0.0539 0.0396
 Saturn -46032-12-12 13:40 J -15091419.25 -15091418.93 -15091418.61 0.0271 0.0025
 Neptune -46025-12-19 17:16 J -15088854.83 -15088854.78 -15088854.67 0.0089 0.0086
 Neptune -46023-11-14 00:14 J -15088160.68 -15088160.49 -15088160.29 0.0089 0.0067
 Neptune -46021-10-08 09:35 J -15087466.34 -15087466.10 -15087465.82 0.0089 0.0049
 Neptune -46019-09-02 19:40 J -15086771.95 -15086771.68 -15086771.37 0.0088 0.0030
 Neptune -46017-07-28 08:52 J -15086077.43 -15086077.13 -15086076.81 0.0088 0.0010
 Neptune -46015-06-23 00:57 J -15085382.76 -15085382.46 -15085382.14 0.0088 0.0011
 Neptune -46013-05-17 19:40 J -15084687.97 -15084687.68 -15084687.37 0.0088 0.0031
 Neptune -46011-04-12 16:04 J -15083993.08 -15083992.83 -15083992.57 0.0088 0.0051
 Neptune -46009-03-07 15:35 J -15083298.01 -15083297.85 -15083297.64 0.0088 0.0072
 Uranus -46009-03-18 09:06 J -15083287.44 -15083287.12 -15083286.81 0.0143 0.0013
 Jupiter -46008-04-02 01:26 J -15082907.68 -15082907.44 -15082907.20 0.0538 0.0229

46TH MILLENNIUM BCE

This is a list of transits of Mars in the 46th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
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TRANSIT

TIME

Pluto -45996-01-14 08:23 J -15078602.44 -15078602.15 -15078601.86 0.0064 0.0004

Saturn -45987-03-08 19:11 J -15075261.95 -15075261.70 -15075261.43 0.0288 0.0078

Uranus -45965-07-09 10:04 J -15067103.37 -15067103.08 -15067102.78 0.0136 0.0022

Jupiter -45955-09-21 03:35 J -15063377.62 -15063377.35 -15063377.08 0.0489 0.0118

Saturn -45943-05-08 08:09 J -15059130.48 -15059130.16 -15059129.84 0.0271 0.0020

Neptune -45941-10-13 06:28 J -15058241.34 -15058241.23 -15058241.07 0.0089 0.0080

Neptune -45939-09-08 14:23 J -15057546.12 -15057545.90 -15057545.64 0.0089 0.0059

Neptune -45937-08-03 20:52 J -15056850.90 -15056850.63 -15056850.32 0.0089 0.0038

Neptune -45935-06-30 00:42 J -15056155.77 -15056155.47 -15056155.15 0.0089 0.0017

Neptune -45933-05-25 00:42 J -15055460.78 -15055460.47 -15055460.15 0.0089 0.0005

Neptune -45931-04-19 21:50 J -15054765.88 -15054765.59 -15054765.27 0.0089 0.0025

Neptune -45929-03-14 17:30 J -15054071.02 -15054070.77 -15054070.48 0.0089 0.0045

Neptune -45927-02-07 10:04 J -15053376.26 -15053376.08 -15053375.84 0.0089 0.0065

Neptune -45925-01-02 23:45 J -15052681.57 -15052681.51 -15052681.37 0.0089 0.0084

Uranus -45925-11-11 23:45 J -15052367.73 -15052367.51 -15052367.24 0.0143 0.0092

Jupiter -45919-06-26 10:47 J -15050315.23 -15050315.05 -15050314.86 0.0490 0.0362

Saturn -45899-08-03 17:59 J -15042972.02 -15042971.75 -15042971.48 0.0288 0.0009

Jupiter -45890-09-20 02:23 J -15039637.63 -15039637.40 -15039637.15 0.0540 0.0248

Uranus -45880-03-04 00:42 J -15036184.71 -15036184.47 -15036184.18 0.0136 0.0064

Neptune -45859-06-29 04:47 J -15028397.47 -15028397.30 -15028397.11 0.0089 0.0071

Neptune -45857-05-23 11:30 J -15027703.26 -15027703.02 -15027702.77 0.0089 0.0052

Neptune -45855-04-17 21:50 J -15027008.86 -15027008.59 -15027008.29 0.0088 0.0033

Saturn -45855-10-02 18:42 J -15026841.03 -15026840.72 -15026840.41 0.0271 0.0076

Jupiter -45854-06-26 08:09 J -15026574.36 -15026574.16 -15026573.96 0.0538 0.0362

Neptune -45853-03-12 09:35 J -15026314.41 -15026314.10 -15026313.80 0.0088 0.0013

Neptune -45851-02-04 22:33 J -15025619.87 -15025619.56 -15025619.25 0.0088 0.0007

Neptune -45850-12-31 14:52 J -15024925.17 -15024924.88 -15024924.57 0.0088 0.0028

Neptune -45848-11-25 09:35 J -15024230.34 -15024230.10 -15024229.81 0.0088 0.0049

Neptune -45846-10-21 06:42 J -15023535.41 -15023535.22 -15023535.02 0.0088 0.0069
 Uranus -45842-08-04 10:04 J -15022152.29 -15022152.08 -15022151.84 0.0143 0.0100
 Jupiter -45836-03-11 18:57 J -15020105.82 -15020105.71 -15020105.58 0.0488 0.0441
 Saturn -45811-12-28 17:45 J -15010683.03 -15010682.76 -15010682.49 0.0288 0.0029
 Jupiter -45801-12-14 19:40 J -15007043.96 -15007043.68 -15007043.40 0.0489 0.0020
 Uranus -45798-11-26 14:23 J -15005967.10 -15005966.90 -15005966.65 0.0135 0.0091
 Saturn -45796-01-05 11:02 J -15005561.19 -15005561.04 -15005560.88 0.0272 0.0236
 Neptune -45777-05-27 11:02 J -14998479.11 -14998479.04 -14998478.93 0.0089 0.0085
 Neptune -45775-04-22 21:21 J -14997783.80 -14997783.61 -14997783.35 0.0089 0.0064
 Neptune -45773-03-18 05:16 J -14997088.55 -14997088.28 -14997087.98 0.0089 0.0042
 Neptune -45771-02-11 10:18 J -14996393.36 -14996393.07 -14996392.74 0.0089 0.0021
 Neptune -45769-01-07 13:54 J -14995698.24 -14995697.92 -14995697.60 0.0089 0.0001
 Neptune -45768-12-02 12:57 J -14995003.25 -14995002.96 -14995002.64 0.0089 0.0022
 Saturn -45766-02-27 09:35 J -14994551.38 -14994551.10 -14994550.82 0.0271 0.0132
 Neptune -45766-10-28 09:06 J -14994308.36 -14994308.12 -14994307.81 0.0089 0.0043
 Jupiter -45765-09-18 16:18 J -14993981.85 -14993981.82 -14993981.79 0.0490 0.0486
 Neptune -45764-09-22 04:47 J -14993613.52 -14993613.30 -14993613.08 0.0089 0.0062
 Neptune -45762-08-17 21:21 J -14992918.70 -14992918.61 -14992918.47 0.0089 0.0082
 Uranus -45757-03-30 04:33 J -14991232.62 -14991232.31 -14991231.99 0.0143 0.0008
 Saturn -45752-04-06 06:57 J -14989399.28 -14989399.21 -14989399.11 0.0288 0.0274
 Jupiter -45736-12-13 11:59 J -14983304.27 -14983304.00 -14983303.74 0.0539 0.0101
 Saturn -45722-05-25 15:50 J -14978393.09 -14978392.84 -14978392.58 0.0288 0.0096
 Uranus -45713-07-21 07:11 J -14975048.50 -14975048.20 -14975047.90 0.0136 0.0004
 Saturn -45708-06-02 05:16 J -14973271.50 -14973271.28 -14973271.03 0.0271 0.0180
 Jupiter -45700-09-19 06:14 J -14970240.24 -14970240.24 -14970240.23 0.0538 0.0538
 Neptune -45695-02-11 08:38 J -14968634.27 -14968634.14 -14968633.95 0.0089 0.0076
 Neptune -45693-01-06 14:09 J -14967940.12 -14967939.91 -14967939.65 0.0089 0.0057
 Neptune -45692-11-30 21:21 J -14967245.88 -14967245.61 -14967245.32 0.0089 0.0037
 Neptune -45690-10-26 07:26 J -14966551.48 -14966551.19 -14966550.88 0.0088 0.0017
 Neptune -45688-09-19 20:09 J -14965856.97 -14965856.66 -14965856.35 0.0088 0.0004

Neptune -45686-08-15 09:06 J -14965162.40 -14965162.12 -14965161.80 0.0088 0.0025
 Neptune -45684-07-10 01:26 J -14964467.68 -14964467.44 -14964467.14 0.0088 0.0046
 Neptune -45682-06-04 22:04 J -14963772.78 -14963772.58 -14963772.36 0.0088 0.0066
 Jupiter -45682-06-05 09:50 J -14963772.30 -14963772.09 -14963771.87 0.0488 0.0304
 Neptune -45680-04-29 19:26 J -14963077.72 -14963077.69 -14963077.60 0.0088 0.0087
 Saturn -45678-07-24 11:02 J -14962262.27 -14962262.04 -14962261.79 0.0271 0.0180
 Uranus -45673-11-23 22:47 J -14960312.71 -14960312.55 -14960312.35 0.0143 0.0116
 Saturn -45664-08-31 22:33 J -14957109.72 -14957109.56 -14957109.37 0.0288 0.0216
 Jupiter -45646-03-10 04:33 J -14950710.57 -14950710.31 -14950710.04 0.0489 0.0155
 Saturn -45634-10-19 05:02 J -14946104.53 -14946104.29 -14946104.04 0.0288 0.0121
 Uranus -45628-03-15 21:21 J -14944129.83 -14944129.61 -14944129.35 0.0136 0.0081
 Saturn -45620-10-26 23:16 J -14940982.79 -14940982.53 -14940982.25 0.0271 0.0139
 Neptune -45612-12-05 00:28 J -14938021.67 -14938021.48 -14938021.26 0.0089 0.0069
 Neptune -45610-10-31 10:47 J -14937326.32 -14937326.05 -14937325.77 0.0089 0.0047
 Neptune -45608-09-25 18:28 J -14936631.04 -14936630.73 -14936630.42 0.0089 0.0025
 Neptune -45606-08-21 22:47 J -14935935.87 -14935935.55 -14935935.23 0.0089 0.0003
 Neptune -45604-07-17 01:54 J -14935240.73 -14935240.42 -14935240.11 0.0089 0.0018
 Neptune -45602-06-12 00:28 J -14934545.73 -14934545.48 -14934545.17 0.0089 0.0040
 Neptune -45600-05-06 20:52 J -14933850.85 -14933850.63 -14933850.39 0.0089 0.0060
 Neptune -45598-04-01 14:38 J -14933156.00 -14933155.89 -14933155.73 0.0089 0.0080
 Uranus -45590-08-16 13:11 J -14930097.21 -14930096.95 -14930096.68 0.0143 0.0073
 Saturn -45590-12-19 00:42 J -14929972.62 -14929972.47 -14929972.29 0.0271 0.0232
 Jupiter -45581-03-08 14:23 J -14926970.16 -14926969.90 -14926969.63 0.0540 0.0089
 Saturn -45575-01-25 06:14 J -14924821.43 -14924821.24 -14924821.04 0.0288 0.0197
 Uranus -45546-12-08 11:59 J -14913912.23 -14913912.00 -14913911.72 0.0135 0.0073
 Saturn -45545-03-14 04:04 J -14913815.54 -14913815.33 -14913815.09 0.0288 0.0162
 Neptune -45532-09-26 12:57 J -14908871.08 -14908870.96 -14908870.83 0.0089 0.0080
 Saturn -45531-03-23 10:04 J -14908693.37 -14908693.08 -14908692.77 0.0271 0.0093
 Neptune -45530-08-21 16:33 J -14908177.01 -14908176.81 -14908176.57 0.0089 0.0061
 Neptune -45528-07-15 22:18 J -14907482.81 -14907482.57 -14907482.28 0.0089 0.0042

Jupiter -45528-08-29 04:47 J -14907438.56 -14907438.30 -14907438.03 0.0488 0.0152
 Neptune -45526-06-10 06:14 J -14906788.53 -14906788.24 -14906787.94 0.0088 0.0021
 Neptune -45524-05-04 16:33 J -14906094.12 -14906093.81 -14906093.50 0.0088 0.0001
 Neptune -45522-03-30 05:45 J -14905399.56 -14905399.26 -14905398.95 0.0088 0.0021
 Neptune -45520-02-21 19:11 J -14904704.95 -14904704.70 -14904704.40 0.0088 0.0042
 Neptune -45518-01-17 11:59 J -14904010.20 -14904010.00 -14904009.76 0.0088 0.0063
 Neptune -45517-12-12 07:54 J -14903315.25 -14903315.17 -14903315.04 0.0088 0.0084
 Uranus -45505-04-11 06:42 J -14899177.52 -14899177.22 -14899176.91 0.0143 0.0033
 Saturn -45501-05-13 04:04 J -14897684.41 -14897684.33 -14897684.23 0.0271 0.0260
 Jupiter -45492-06-03 06:57 J -14894376.42 -14894376.21 -14894375.99 0.0489 0.0318
 Saturn -45487-06-20 20:52 J -14892532.84 -14892532.63 -14892532.40 0.0288 0.0168
 Jupiter -45463-08-26 22:04 J -14883699.78 -14883699.58 -14883699.38 0.0541 0.0367
 Uranus -45461-08-02 05:02 J -14882993.59 -14882993.29 -14882992.98 0.0135 0.0013
 Saturn -45457-08-07 04:33 J -14881527.51 -14881527.31 -14881527.08 0.0288 0.0174
 Neptune -45448-07-19 00:28 J -14878259.63 -14878259.48 -14878259.28 0.0089 0.0075
 Neptune -45446-06-14 11:59 J -14877564.23 -14877564.00 -14877563.71 0.0089 0.0053
 Neptune -45444-05-09 21:21 J -14876868.89 -14876868.61 -14876868.28 0.0089 0.0031
 Saturn -45443-08-16 05:59 J -14876405.56 -14876405.25 -14876404.94 0.0271 0.0070
 Neptune -45442-04-05 05:02 J -14876173.61 -14876173.29 -14876172.97 0.0089 0.0008
 Neptune -45440-02-28 08:38 J -14875478.45 -14875478.14 -14875477.82 0.0089 0.0014
 Neptune -45438-01-24 10:18 J -14874783.34 -14874783.07 -14874782.76 0.0089 0.0036
 Neptune -45437-12-19 09:21 J -14874088.33 -14874088.11 -14874087.84 0.0089 0.0057
 Neptune -45435-11-14 04:47 J -14873393.41 -14873393.30 -14873393.11 0.0089 0.0078
 Jupiter -45427-06-02 22:47 J -14870635.77 -14870635.55 -14870635.32 0.0539 0.0290
 Uranus -45421-12-06 00:28 J -14868257.52 -14868257.48 -14868257.39 0.0143 0.0140
 Pluto -45416-05-06 19:26 J -14866645.03 -14866644.69 -14866644.35 0.0081 0.0001
 Jupiter -45409-02-18 17:30 J -14864165.88 -14864165.77 -14864165.64 0.0487 0.0434
 Saturn -45399-11-13 22:04 J -14860244.80 -14860244.58 -14860244.34 0.0287 0.0152
 Uranus -45376-03-27 23:02 J -14852074.72 -14852074.54 -14852074.32 0.0136 0.0101
 Jupiter -45374-11-23 13:54 J -14851104.20 -14851103.92 -14851103.65 0.0488 0.0022

Saturn -45369-12-31 09:06 J -14849239.30 -14849239.12 -14849238.91 0.0288 0.0193
 Neptune -45368-05-11 16:04 J -14849107.87 -14849107.83 -14849107.71 0.0089 0.0086
 Neptune -45366-04-05 17:45 J -14848413.92 -14848413.76 -14848413.52 0.0089 0.0067
 Neptune -45364-02-27 22:18 J -14847719.80 -14847719.57 -14847719.29 0.0089 0.0047
 Neptune -45362-01-23 05:30 J -14847025.56 -14847025.27 -14847024.98 0.0088 0.0026
 Neptune -45361-12-17 13:26 J -14846331.24 -14846330.94 -14846330.63 0.0088 0.0006
 Neptune -45359-11-11 23:16 J -14845636.82 -14845636.53 -14845636.22 0.0088 0.0016
 Neptune -45357-10-06 12:42 J -14844942.23 -14844941.97 -14844941.67 0.0088 0.0038
 Neptune -45355-09-01 03:21 J -14844247.57 -14844247.36 -14844247.10 0.0088 0.0059
 Saturn -45354-01-10 01:54 J -14844116.73 -14844116.42 -14844116.09 0.0272 0.0033
 Neptune -45353-07-26 20:23 J -14843552.77 -14843552.65 -14843552.50 0.0088 0.0080
 Uranus -45338-08-28 14:52 J -14838042.15 -14838041.88 -14838041.57 0.0143 0.0051
 Jupiter -45338-08-28 12:57 J -14838041.98 -14838041.96 -14838041.93 0.0489 0.0486 *
 Saturn -45310-04-09 00:57 J -14827956.70 -14827956.46 -14827956.23 0.0287 0.0137
 Jupiter -45309-11-20 14:23 J -14827365.16 -14827364.90 -14827364.63 0.0540 0.0146
 Uranus -45294-12-20 13:11 J -14821857.22 -14821856.95 -14821856.66 0.0135 0.0051
 Neptune -45284-03-01 20:52 J -14818497.74 -14818497.63 -14818497.49 0.0089 0.0082
 Neptune -45282-01-26 11:16 J -14817802.26 -14817802.03 -14817801.77 0.0089 0.0059
 Neptune -45281-12-21 22:33 J -14817106.85 -14817106.56 -14817106.26 0.0089 0.0036
 Saturn -45280-05-26 15:50 J -14816951.00 -14816950.84 -14816950.65 0.0287 0.0216
 Neptune -45279-11-17 06:57 J -14816411.52 -14816411.21 -14816410.88 0.0089 0.0014
 Neptune -45277-10-12 13:54 J -14815716.24 -14815715.92 -14815715.60 0.0089 0.0009
 Neptune -45275-09-07 17:02 J -14815021.07 -14815020.79 -14815020.47 0.0089 0.0032
 Neptune -45273-08-02 18:28 J -14814325.97 -14814325.73 -14814325.47 0.0089 0.0053
 Jupiter -45273-08-27 14:38 J -14814300.98 -14814300.89 -14814300.78 0.0540 0.0502
 Neptune -45271-06-28 16:47 J -14813630.93 -14813630.80 -14813630.59 0.0089 0.0075
 Saturn -45266-06-04 14:23 J -14811829.22 -14811828.90 -14811828.59 0.0272 0.0014
 Pluto -45259-05-02 05:45 J -14809305.53 -14809305.26 -14809304.99 0.0064 0.0025
 Jupiter -45255-05-15 01:54 J -14807831.64 -14807831.42 -14807831.18 0.0487 0.0266
 Uranus -45253-04-23 11:30 J -14807122.30 -14807122.02 -14807121.73 0.0143 0.0060

Saturn -45222-09-02 15:21 J -14795668.11 -14795667.86 -14795667.60 0.0286 0.0101
 Jupiter -45219-02-16 20:38 J -14794769.89 -14794769.64 -14794769.37 0.0488 0.0187
 Uranus -45209-08-14 09:50 J -14790938.37 -14790938.09 -14790937.78 0.0136 0.0039
 Neptune -45203-11-18 21:06 J -14788650.77 -14788650.62 -14788650.42 0.0089 0.0072
 Neptune -45201-10-12 23:16 J -14787956.76 -14787956.53 -14787956.27 0.0089 0.0052
 Neptune -45199-09-07 02:52 J -14787262.64 -14787262.38 -14787262.07 0.0088 0.0032
 Neptune -45197-08-01 09:50 J -14786568.38 -14786568.09 -14786567.78 0.0088 0.0011
 Neptune -45195-06-26 18:14 J -14785874.03 -14785873.74 -14785873.42 0.0088 0.0012
 Neptune -45193-05-21 04:33 J -14785179.58 -14785179.31 -14785179.00 0.0088 0.0033
 Saturn -45192-10-19 22:33 J -14784662.71 -14784662.56 -14784662.40 0.0288 0.0236
 Neptune -45191-04-15 17:59 J -14784484.96 -14784484.75 -14784484.47 0.0088 0.0055
 Neptune -45189-03-10 09:50 J -14783790.22 -14783790.09 -14783789.90 0.0088 0.0076
 Saturn -45178-10-29 08:09 J -14779540.47 -14779540.16 -14779539.84 0.0273 0.0027
 Uranus -45170-01-14 07:54 J -14776906.28 -14776906.17 -14776905.99 0.0144 0.0127
 Jupiter -45154-02-14 20:38 J -14771030.91 -14771030.64 -14771030.36 0.0541 0.0048
 Saturn -45133-01-27 00:42 J -14763379.73 -14763379.47 -14763379.20 0.0287 0.0079
 Uranus -45126-05-08 23:16 J -14760720.66 -14760720.53 -14760720.33 0.0135 0.0113
 Uranus -45124-04-09 03:35 J -14760019.43 -14760019.35 -14760019.21 0.0136 0.0127
 Neptune -45119-09-09 04:04 J -14758040.51 -14758040.33 -14758040.08 0.0089 0.0067
 Neptune -45117-08-04 18:42 J -14757344.99 -14757344.72 -14757344.42 0.0089 0.0043
 Neptune -45115-07-01 05:45 J -14756649.56 -14756649.26 -14756648.93 0.0089 0.0020
 Neptune -45113-05-26 14:09 J -14755954.23 -14755953.91 -14755953.59 0.0089 0.0003
 Neptune -45111-04-21 20:09 J -14755258.96 -14755258.66 -14755258.34 0.0089 0.0026
 Neptune -45109-03-16 23:16 J -14754563.77 -14754563.53 -14754563.23 0.0089 0.0049
 Neptune -45107-02-10 00:14 J -14753868.68 -14753868.49 -14753868.30 0.0089 0.0070
 Jupiter -45101-08-08 02:38 J -14751497.65 -14751497.39 -14751497.12 0.0487 0.0114
 Saturn -45089-03-23 14:23 J -14747252.21 -14747251.90 -14747251.59 0.0272 0.0060
 Uranus -45086-09-10 04:47 J -14745986.61 -14745986.30 -14745985.99 0.0143 0.0016
 Jupiter -45065-05-13 00:28 J -14738435.67 -14738435.48 -14738435.28 0.0488 0.0344
 Saturn -45045-06-22 16:18 J -14731090.09 -14731089.82 -14731089.55 0.0286 0.0015

Uranus -45041-01-01 21:21 J -14729801.89 -14729801.61 -14729801.30 0.0135 0.0025
 Neptune -45039-07-03 21:50 J -14728887.71 -14728887.59 -14728887.43 0.0089 0.0078
 Neptune -45037-05-27 23:30 J -14728193.73 -14728193.52 -14728193.28 0.0089 0.0058
 Jupiter -45036-08-03 11:16 J -14727761.18 -14727761.03 -14727760.87 0.0542 0.0447
 Neptune -45035-04-22 02:38 J -14727499.64 -14727499.39 -14727499.09 0.0088 0.0038
 Neptune -45033-03-16 06:57 J -14726805.50 -14726805.21 -14726804.90 0.0088 0.0017
 Neptune -45031-02-08 14:09 J -14726111.21 -14726110.91 -14726110.60 0.0088 0.0005
 Saturn -45031-06-27 04:47 J -14725972.38 -14725972.30 -14725972.20 0.0273 0.0261
 Neptune -45029-01-03 22:47 J -14725416.82 -14725416.55 -14725416.23 0.0088 0.0028
 Neptune -45028-11-28 09:50 J -14724722.34 -14724722.09 -14724721.83 0.0088 0.0049
 Neptune -45026-10-23 23:02 J -14724027.72 -14724027.54 -14724027.35 0.0088 0.0071
 Pluto -45013-09-23 04:04 J -14719309.54 -14719309.33 -14719309.07 0.0064 0.0038
 Uranus -45001-05-06 01:54 J -14715066.63 -14715066.42 -14715066.17 0.0143 0.0095
 Saturn -45001-08-17 18:57 J -14714962.99 -14714962.71 -14714962.41 0.0273 0.0114

45TH MILLENNIUM BCE

This is a list of transits of Mars in the 45th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-45000-05-10	06:57 J	-14714697.46	-14714697.21	-14714696.95	0.0540	0.0193	
Jupiter	-44982-01-28	06:57 J	-14708225.34	-14708225.21	-14708225.06	0.0486	0.0414	
Uranus	-44957-08-26	18:28 J	-14698882.99	-14698882.73	-14698882.46	0.0135	0.0065	
Saturn	-44957-11-16	13:54 J	-14698801.19	-14698800.92	-14698800.64	0.0287	0.0021	
Neptune	-44955-04-22	18:57 J	-14698278.85	-14698278.71	-14698278.49	0.0089	0.0075	

Neptune -44953-03-18 10:47 J -14697583.29 -14697583.05 -14697582.75 0.0089 0.0051
 Neptune -44951-02-12 00:57 J -14696887.75 -14696887.46 -14696887.13 0.0089 0.0027
 Neptune -44949-01-08 11:59 J -14696192.32 -14696192.00 -14696191.67 0.0089 0.0003
 Neptune -44948-12-03 18:57 J -14695497.00 -14695496.71 -14695496.37 0.0089 0.0021
 Jupiter -44947-11-01 21:50 J -14695163.86 -14695163.59 -14695163.31 0.0487 0.0026
 Neptune -44946-10-30 00:42 J -14694801.74 -14694801.47 -14694801.18 0.0089 0.0043
 Neptune -44944-09-24 03:35 J -14694106.53 -14694106.35 -14694106.11 0.0089 0.0066
 Saturn -44943-11-21 10:47 J -14693683.24 -14693683.05 -14693682.83 0.0273 0.0209
 Neptune -44942-08-20 03:21 J -14693411.37 -14693411.36 -14693411.27 0.0089 0.0088
 Uranus -44918-01-26 22:47 J -14684850.78 -14684850.55 -14684850.31 0.0144 0.0093
 Saturn -44912-01-12 05:16 J -14682673.52 -14682673.28 -14682673.02 0.0272 0.0168
 Jupiter -44911-08-06 09:06 J -14682102.18 -14682102.12 -14682102.04 0.0488 0.0470
 Saturn -44898-02-24 00:57 J -14677517.48 -14677517.46 -14677517.40 0.0286 0.0283
 Jupiter -44882-10-27 19:26 J -14671427.92 -14671427.69 -14671427.46 0.0541 0.0298
 Neptune -44875-02-16 01:11 J -14669124.51 -14669124.45 -14669124.33 0.0089 0.0085
 Uranus -44874-05-21 10:47 J -14668665.27 -14668665.05 -14668664.80 0.0135 0.0085
 Neptune -44873-01-10 23:45 J -14668430.68 -14668430.51 -14668430.27 0.0089 0.0065
 Neptune -44872-12-05 01:11 J -14667736.69 -14667736.45 -14667736.17 0.0089 0.0044
 Neptune -44870-10-30 05:02 J -14667042.57 -14667042.29 -14667041.98 0.0088 0.0023
 Saturn -44868-04-13 14:52 J -14666511.13 -14666510.88 -14666510.62 0.0286 0.0093
 Neptune -44868-09-23 09:21 J -14666348.41 -14666348.11 -14666347.80 0.0088 0.0001
 Neptune -44866-08-18 15:50 J -14665654.12 -14665653.84 -14665653.53 0.0088 0.0022
 Neptune -44864-07-13 01:11 J -14664959.70 -14664959.45 -14664959.16 0.0088 0.0043
 Neptune -44862-06-07 12:28 J -14664265.16 -14664264.98 -14664264.74 0.0088 0.0066
 Neptune -44860-05-02 01:54 J -14663570.43 -14663570.42 -14663570.35 0.0088 0.0088
 Saturn -44854-04-18 05:30 J -14661393.53 -14661393.27 -14661393.00 0.0273 0.0150
 Jupiter -44846-08-04 04:18 J -14658363.51 -14658363.32 -14658363.11 0.0541 0.0371
 Uranus -44834-09-22 18:42 J -14653931.02 -14653930.72 -14653930.40 0.0144 0.0016
 Jupiter -44828-04-22 20:52 J -14651891.84 -14651891.63 -14651891.40 0.0486 0.0286
 Saturn -44824-06-08 12:14 J -14650384.17 -14650383.99 -14650383.80 0.0273 0.0222

Saturn -44810-07-21 23:30 J -14645227.69 -14645227.52 -14645227.33 0.0286 0.0216
 Jupiter -44792-01-25 05:30 J -14638830.53 -14638830.27 -14638830.01 0.0487 0.0150
 Neptune -44792-12-04 05:45 J -14638517.36 -14638517.26 -14638517.13 0.0089 0.0083
 Neptune -44790-10-30 23:59 J -14637821.73 -14637821.50 -14637821.23 0.0089 0.0059
 Uranus -44789-01-14 10:33 J -14637746.36 -14637746.06 -14637745.75 0.0135 0.0006
 Neptune -44788-09-25 15:06 J -14637126.15 -14637125.87 -14637125.55 0.0089 0.0035
 Neptune -44786-08-22 05:16 J -14636430.60 -14636430.28 -14636429.95 0.0089 0.0010
 Neptune -44784-07-17 16:04 J -14635735.14 -14635734.83 -14635734.50 0.0089 0.0014
 Neptune -44782-06-12 23:02 J -14635039.81 -14635039.54 -14635039.22 0.0089 0.0038
 Neptune -44780-05-08 04:18 J -14634344.55 -14634344.32 -14634344.08 0.0089 0.0060
 Saturn -44780-09-07 10:04 J -14634222.32 -14634222.08 -14634221.83 0.0287 0.0125
 Neptune -44778-04-03 06:57 J -14633649.29 -14633649.21 -14633649.06 0.0089 0.0083
 Saturn -44766-09-12 07:26 J -14629104.48 -14629104.19 -14629103.89 0.0273 0.0102
 Uranus -44749-05-18 14:09 J -14623011.04 -14623010.91 -14623010.75 0.0143 0.0127
 Jupiter -44727-01-20 16:47 J -14615094.07 -14615093.80 -14615093.53 0.0542 0.0117
 Saturn -44722-12-15 14:52 J -14612939.07 -14612938.88 -14612938.66 0.0286 0.0189
 Neptune -44710-08-26 02:09 J -14608667.55 -14608667.41 -14608667.20 0.0089 0.0072
 Neptune -44708-07-20 01:26 J -14607973.66 -14607973.44 -14607973.17 0.0088 0.0051
 Neptune -44706-06-14 02:38 J -14607279.66 -14607279.39 -14607279.10 0.0088 0.0029
 Uranus -44705-09-08 10:47 J -14606827.24 -14606827.05 -14606826.82 0.0135 0.0098
 Neptune -44704-05-08 07:26 J -14606585.49 -14606585.19 -14606584.89 0.0088 0.0007
 Neptune -44702-04-02 12:14 J -14605891.29 -14605890.99 -14605890.69 0.0088 0.0015
 Neptune -44700-02-24 18:28 J -14605196.98 -14605196.73 -14605196.43 0.0088 0.0038
 Neptune -44698-01-20 04:18 J -14604502.53 -14604502.32 -14604502.08 0.0088 0.0060
 Neptune -44697-12-14 16:18 J -14603807.93 -14603807.82 -14603807.70 0.0088 0.0082
 Jupiter -44692-10-27 15:50 J -14602029.89 -14602029.84 -14602029.77 0.0540 0.0524
 Saturn -44691-02-01 19:11 J -14601932.91 -14601932.70 -14601932.48 0.0287 0.0177
 Pluto -44679-08-20 09:06 J -14597350.45 -14597350.12 -14597349.78 0.0081 0.0018
 Saturn -44677-02-07 02:09 J -14596814.72 -14596814.41 -14596814.09 0.0273 0.0047
 Jupiter -44674-07-17 10:18 J -14595558.32 -14595558.07 -14595557.81 0.0486 0.0150

Uranus -44666-02-08 15:35 J -14592795.12 -14592794.85 -14592794.56 0.0144 0.0059
 Jupiter -44638-04-21 01:40 J -14582496.65 -14582496.43 -14582496.21 0.0487 0.0295
 Saturn -44633-05-10 15:50 J -14580650.07 -14580649.84 -14580649.60 0.0286 0.0149
 Neptune -44626-06-13 09:35 J -14578060.28 -14578060.10 -14578059.86 0.0089 0.0068
 Neptune -44624-05-09 03:50 J -14577364.61 -14577364.34 -14577364.04 0.0089 0.0043
 Neptune -44622-04-04 18:42 J -14576669.03 -14576668.72 -14576668.39 0.0089 0.0018
 Uranus -44622-06-03 05:02 J -14576609.58 -14576609.29 -14576609.01 0.0135 0.0049
 Neptune -44620-02-28 07:40 J -14575973.49 -14575973.18 -14575972.84 0.0089 0.0007
 Neptune -44618-01-24 17:59 J -14575278.03 -14575277.75 -14575277.42 0.0089 0.0031
 Neptune -44617-12-20 00:42 J -14574582.69 -14574582.47 -14574582.18 0.0089 0.0055
 Neptune -44615-11-15 05:02 J -14573887.41 -14573887.29 -14573887.10 0.0089 0.0078
 Saturn -44603-06-28 01:40 J -14569644.61 -14569644.43 -14569644.22 0.0287 0.0197
 Saturn -44589-07-02 06:28 J -14564526.54 -14564526.23 -14564525.91 0.0273 0.0018
 Uranus -44582-10-05 12:28 J -14561875.26 -14561874.98 -14561874.68 0.0144 0.0054
 Jupiter -44573-04-15 19:11 J -14558759.98 -14558759.70 -14558759.43 0.0541 0.0073
 Jupiter -44555-01-06 03:50 J -14552285.46 -14552285.34 -14552285.21 0.0485 0.0427
 Neptune -44546-04-10 04:04 J -14548904.44 -14548904.33 -14548904.17 0.0089 0.0079
 Saturn -44545-10-03 20:52 J -14548361.86 -14548361.63 -14548361.38 0.0286 0.0129
 Neptune -44544-03-04 03:06 J -14548210.57 -14548210.37 -14548210.12 0.0088 0.0058
 Neptune -44542-01-27 03:21 J -14547516.63 -14547516.36 -14547516.09 0.0088 0.0036
 Neptune -44541-12-21 04:18 J -14546822.62 -14546822.32 -14546822.03 0.0088 0.0014
 Neptune -44539-11-15 08:23 J -14546128.44 -14546128.15 -14546127.84 0.0088 0.0009
 Uranus -44537-01-27 06:57 J -14545690.49 -14545690.21 -14545689.91 0.0135 0.0043
 Neptune -44537-10-09 13:54 J -14545434.20 -14545433.92 -14545433.63 0.0088 0.0031
 Neptune -44535-09-03 20:09 J -14544739.88 -14544739.66 -14544739.39 0.0088 0.0054
 Neptune -44533-07-29 05:30 J -14544045.38 -14544045.27 -14544045.07 0.0088 0.0077
 Pluto -44522-08-18 14:52 J -14540008.12 -14540007.88 -14540007.62 0.0064 0.0034
 Jupiter -44520-10-10 14:23 J -14539224.17 -14539223.90 -14539223.63 0.0486 0.0007
 Saturn -44515-11-21 12:28 J -14537356.14 -14537355.98 -14537355.80 0.0287 0.0222
 Saturn -44501-11-26 08:09 J -14532237.47 -14532237.16 -14532236.84 0.0273 0.0025

Uranus -44499-06-27 16:18 J -14531658.92 -14531658.82 -14531658.67 0.0144 0.0132
 Jupiter -44484-07-15 04:18 J -14526162.42 -14526162.32 -14526162.21 0.0487 0.0449
 Neptune -44462-01-24 17:02 J -14518298.92 -14518298.79 -14518298.59 0.0089 0.0077
 Neptune -44461-12-20 12:42 J -14517603.22 -14517602.97 -14517602.68 0.0089 0.0052
 Neptune -44459-11-16 06:28 J -14516907.52 -14516907.23 -14516906.89 0.0089 0.0027
 Neptune -44457-10-11 21:50 J -14516211.92 -14516211.59 -14516211.26 0.0089 0.0001
 Saturn -44456-02-27 01:40 J -14516073.68 -14516073.43 -14516073.17 0.0286 0.0111
 Neptune -44455-09-07 09:35 J -14515516.39 -14515516.10 -14515515.76 0.0089 0.0024
 Jupiter -44455-10-03 19:54 J -14515489.85 -14515489.67 -14515489.47 0.0542 0.0391
 Uranus -44455-10-20 23:45 J -14515472.70 -14515472.51 -14515472.32 0.0134 0.0105
 Neptune -44453-08-02 20:23 J -14514820.91 -14514820.65 -14514820.36 0.0089 0.0048
 Uranus -44453-09-21 09:21 J -14514771.13 -14514771.11 -14514771.08 0.0135 0.0135
 Neptune -44451-06-29 03:06 J -14514125.53 -14514125.37 -14514125.15 0.0089 0.0072
 Saturn -44426-04-16 16:47 J -14505067.93 -14505067.80 -14505067.64 0.0286 0.0243
 Jupiter -44419-07-11 12:28 J -14502425.21 -14502424.98 -14502424.74 0.0542 0.0290
 Uranus -44414-02-21 11:59 J -14500739.30 -14500739.00 -14500738.69 0.0144 0.0022
 Saturn -44412-04-20 20:52 J -14499949.94 -14499949.63 -14499949.32 0.0273 0.0043
 Jupiter -44401-04-01 11:59 J -14495951.23 -14495951.00 -14495950.78 0.0486 0.0267
 Neptune -44383-11-23 08:52 J -14489141.19 -14489141.13 -14489141.05 0.0089 0.0086
 Neptune -44381-10-17 05:16 J -14488447.47 -14488447.28 -14488447.07 0.0089 0.0065
 Neptune -44379-09-11 03:50 J -14487753.57 -14487753.34 -14487753.06 0.0088 0.0044
 Neptune -44377-08-05 04:33 J -14487059.60 -14487059.31 -14487059.02 0.0088 0.0021
 Neptune -44375-06-30 05:30 J -14486365.57 -14486365.27 -14486364.97 0.0088 0.0002
 Neptune -44373-05-24 09:21 J -14485671.39 -14485671.11 -14485670.81 0.0088 0.0025
 Neptune -44371-04-18 15:35 J -14484977.08 -14484976.85 -14484976.56 0.0088 0.0048
 Uranus -44370-06-16 03:35 J -14484553.66 -14484553.35 -14484553.04 0.0135 0.0013
 Neptune -44369-03-12 23:02 J -14484282.72 -14484282.54 -14484282.35 0.0088 0.0070
 Saturn -44368-07-23 11:16 J -14483785.29 -14483785.03 -14483784.76 0.0285 0.0080
 Jupiter -44365-01-04 23:02 J -14482889.79 -14482889.54 -14482889.28 0.0486 0.0168
 Saturn -44338-09-09 19:40 J -14472779.78 -14472779.68 -14472779.55 0.0286 0.0260

Uranus -44330-10-18 09:50 J -14469819.31 -14469819.09 -14469818.83 0.0144 0.0090
 Saturn -44324-09-14 13:11 J -14467661.25 -14467660.95 -14467660.64 0.0274 0.0082
 Jupiter -44301-12-28 08:38 J -14459155.41 -14459155.14 -14459154.88 0.0543 0.0183
 Neptune -44299-09-06 22:33 J -14458537.59 -14458537.56 -14458537.45 0.0089 0.0087
 Neptune -44297-08-02 20:09 J -14457841.87 -14457841.66 -14457841.39 0.0089 0.0061
 Neptune -44295-06-29 15:50 J -14457146.14 -14457145.84 -14457145.53 0.0089 0.0035
 Neptune -44293-05-25 08:52 J -14456450.45 -14456450.13 -14456449.80 0.0089 0.0010
 Neptune -44291-04-20 23:30 J -14455754.83 -14455754.52 -14455754.19 0.0089 0.0016
 Neptune -44289-03-16 10:47 J -14455059.31 -14455059.05 -14455058.74 0.0089 0.0041
 Neptune -44287-02-09 21:06 J -14454363.82 -14454363.62 -14454363.38 0.0089 0.0065
 Uranus -44285-02-09 05:30 J -14453634.50 -14453634.27 -14453634.01 0.0135 0.0079
 Saturn -44280-12-16 14:52 J -14451497.15 -14451496.88 -14451496.61 0.0285 0.0062
 Pluto -44275-01-09 19:26 J -14450011.88 -14450011.69 -14450011.45 0.0064 0.0044
 Saturn -44266-12-18 16:33 J -14446381.91 -14446381.81 -14446381.71 0.0275 0.0258
 Jupiter -44265-10-04 12:14 J -14446091.13 -14446090.99 -14446090.85 0.0542 0.0465
 Jupiter -44247-06-26 18:28 J -14439616.99 -14439616.73 -14439616.46 0.0485 0.0110
 Uranus -44247-07-10 08:09 J -14439603.36 -14439603.16 -14439602.92 0.0144 0.0101
 Saturn -44235-02-07 10:04 J -14435373.37 -14435373.08 -14435372.78 0.0274 0.0108
 Neptune -44217-06-01 08:38 J -14428684.28 -14428684.14 -14428683.95 0.0089 0.0073
 Neptune -44215-04-26 05:30 J -14427990.49 -14427990.27 -14427990.01 0.0088 0.0051
 Neptune -44213-03-20 05:02 J -14427296.56 -14427296.29 -14427295.99 0.0088 0.0029
 Neptune -44211-02-12 06:14 J -14426602.54 -14426602.24 -14426601.94 0.0088 0.0006
 Jupiter -44211-03-31 07:54 J -14426555.37 -14426555.17 -14426554.97 0.0486 0.0328
 Neptune -44209-01-07 07:40 J -14425908.46 -14425908.18 -14425907.87 0.0088 0.0018
 Neptune -44208-12-01 11:16 J -14425214.28 -14425214.03 -14425213.75 0.0088 0.0041
 Neptune -44206-10-26 18:28 J -14424519.93 -14424519.73 -14424519.51 0.0088 0.0064
 Neptune -44204-09-20 01:40 J -14423825.47 -14423825.43 -14423825.36 0.0088 0.0087
 Uranus -44203-11-02 22:33 J -14423416.82 -14423416.56 -14423416.29 0.0134 0.0069
 Saturn -44191-05-12 21:50 J -14419207.87 -14419207.59 -14419207.32 0.0284 0.0008
 Saturn -44177-05-12 22:04 J -14414093.73 -14414093.58 -14414093.39 0.0275 0.0228

Uranus -44162-03-06 06:28 J -14408683.54 -14408683.23 -14408682.92 0.0144 0.0012
 Saturn -44147-07-04 07:11 J -14403084.45 -14403084.20 -14403083.93 0.0274 0.0156
 Jupiter -44146-03-24 01:54 J -14402821.69 -14402821.42 -14402821.14 0.0542 0.0019
 Neptune -44133-03-16 03:06 J -14398080.54 -14398080.37 -14398080.14 0.0089 0.0071
 Neptune -44131-02-10 00:14 J -14397384.74 -14397384.49 -14397384.17 0.0089 0.0045
 Neptune -44129-01-06 19:26 J -14396689.01 -14396688.69 -14396688.36 0.0089 0.0018
 Jupiter -44129-12-16 12:14 J -14396344.15 -14396343.99 -14396343.83 0.0485 0.0389
 Neptune -44128-12-02 11:45 J -14395993.33 -14395993.01 -14395992.67 0.0089 0.0008
 Neptune -44126-10-29 02:09 J -14395297.70 -14395297.41 -14395297.10 0.0089 0.0033
 Neptune -44124-09-23 12:42 J -14394602.18 -14394601.97 -14394601.69 0.0089 0.0059
 Neptune -44122-08-19 22:33 J -14393906.65 -14393906.56 -14393906.42 0.0089 0.0083
 Uranus -44118-06-29 01:26 J -14392497.73 -14392497.44 -14392497.13 0.0135 0.0024
 Saturn -44103-10-06 13:54 J -14386919.19 -14386918.92 -14386918.64 0.0285 0.0025
 Jupiter -44093-09-19 18:57 J -14383282.98 -14383282.71 -14383282.43 0.0486 0.0034
 Saturn -44089-10-06 21:50 J -14381804.83 -14381804.59 -14381804.36 0.0275 0.0179
 Uranus -44078-10-30 23:30 J -14377763.66 -14377763.52 -14377763.34 0.0144 0.0122
 Saturn -44059-11-28 07:11 J -14370795.40 -14370795.20 -14370794.97 0.0274 0.0201
 Jupiter -44057-06-23 23:45 J -14370221.58 -14370221.51 -14370221.42 0.0486 0.0461
 Neptune -44053-01-15 13:40 J -14368921.05 -14368920.93 -14368920.80 0.0089 0.0080
 Neptune -44052-12-09 10:18 J -14368227.27 -14368227.07 -14368226.82 0.0089 0.0059
 Neptune -44050-11-03 07:26 J -14367533.46 -14367533.19 -14367532.91 0.0089 0.0036
 Neptune -44048-09-27 06:28 J -14366839.53 -14366839.23 -14366838.93 0.0088 0.0013
 Neptune -44046-08-22 07:26 J -14366145.48 -14366145.19 -14366144.89 0.0088 0.0010
 Saturn -44044-01-12 21:06 J -14365635.63 -14365635.62 -14365635.59 0.0284 0.0283
 Neptune -44044-07-16 09:21 J -14365451.38 -14365451.11 -14365450.82 0.0088 0.0034
 Neptune -44042-06-10 12:42 J -14364757.17 -14364756.97 -14364756.71 0.0088 0.0058
 Neptune -44040-05-04 20:38 J -14364062.74 -14364062.64 -14364062.50 0.0088 0.0081
 Uranus -44035-03-22 15:50 J -14362279.92 -14362279.84 -14362279.69 0.0134 0.0124
 Uranus -44033-02-22 03:06 J -14361578.50 -14361578.37 -14361578.19 0.0135 0.0116
 Jupiter -44028-09-09 02:23 J -14359552.45 -14359552.40 -14359552.32 0.0543 0.0529

Saturn -44014-03-03 13:40 J -14354629.18 -14354628.93 -14354628.67 0.0284 0.0096

44TH MILLENNIUM BCE

This is a list of transits of Mars in the 44th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-44000-03-03 08:52 J	-14349515.40	-14349515.13	-14349514.84	0.0275	0.0128		
Uranus	-43995-07-23 04:33 J	-14347547.58	-14347547.31	-14347547.03	0.0145	0.0065		
Jupiter	-43992-06-17 03:06 J	-14346487.63	-14346487.37	-14346487.10	0.0543	0.0170		
Jupiter	-43974-03-12 04:33 J	-14340010.53	-14340010.31	-14340010.08	0.0485	0.0263		
Saturn	-43970-04-24 12:28 J	-14338506.07	-14338505.98	-14338505.84	0.0274	0.0256		
Neptune	-43970-10-28 07:40 J	-14338319.28	-14338319.18	-14338319.01	0.0089	0.0081		
Neptune	-43968-09-23 07:54 J	-14337623.43	-14337623.17	-14337622.90	0.0089	0.0054		
Neptune	-43966-08-20 04:33 J	-14336927.60	-14336927.31	-14336926.97	0.0089	0.0028		
Neptune	-43964-07-15 23:30 J	-14336231.85	-14336231.52	-14336231.19	0.0089	0.0001		
Neptune	-43962-06-11 15:21 J	-14335536.17	-14335535.86	-14335535.54	0.0089	0.0025		
Neptune	-43960-05-07 05:02 J	-14334840.53	-14334840.29	-14334839.99	0.0089	0.0051		
Neptune	-43958-04-02 16:33 J	-14334144.96	-14334144.81	-14334144.63	0.0089	0.0076		
Saturn	-43956-06-09 22:33 J	-14333345.74	-14333345.56	-14333345.38	0.0284	0.0212		
Uranus	-43951-11-15 18:42 J	-14331361.01	-14331360.72	-14331360.41	0.0134	0.0032		
Pluto	-43942-12-04 10:18 J	-14328055.41	-14328055.07	-14328054.72	0.0081	0.0010		
Jupiter	-43939-12-14 05:16 J	-14326949.54	-14326949.28	-14326949.02	0.0485	0.0155		
Saturn	-43926-07-28 11:59 J	-14322340.24	-14322340.00	-14322339.76	0.0285	0.0132		
Saturn	-43912-07-28 13:26 J	-14317226.23	-14317225.94	-14317225.63	0.0275	0.0076		

Uranus -43910-03-18 20:52 J -14316627.92 -14316627.63 -14316627.33 0.0144 0.0043
 Neptune -43890-08-30 19:26 J -14309157.69 -14309157.69 -14309157.65 0.0089 0.0089
 Neptune -43888-07-24 14:38 J -14308464.09 -14308463.89 -14308463.70 0.0089 0.0066
 Neptune -43886-06-18 11:30 J -14307770.26 -14307770.02 -14307769.74 0.0089 0.0044
 Neptune -43884-05-12 09:21 J -14307076.39 -14307076.11 -14307075.81 0.0089 0.0021
 Neptune -43882-04-06 08:52 J -14306382.43 -14306382.13 -14306381.83 0.0088 0.0003
 Neptune -43880-02-28 10:18 J -14305688.35 -14305688.07 -14305687.78 0.0088 0.0027
 Neptune -43878-01-23 12:57 J -14304994.19 -14304993.96 -14304993.69 0.0088 0.0051
 Neptune -43877-12-17 16:47 J -14304299.93 -14304299.80 -14304299.61 0.0088 0.0075
 Jupiter -43874-12-03 21:35 J -14303218.82 -14303218.60 -14303218.39 0.0543 0.0352
 Saturn -43868-11-03 19:26 J -14301056.90 -14301056.69 -14301056.47 0.0284 0.0179
 Uranus -43866-07-11 20:23 J -14300441.91 -14300441.65 -14300441.35 0.0134 0.0059
 Jupiter -43838-09-10 09:06 J -14290154.34 -14290154.12 -14290153.89 0.0542 0.0315
 Saturn -43838-12-23 05:30 J -14290050.46 -14290050.27 -14290050.06 0.0285 0.0194
 Saturn -43824-12-23 13:26 J -14284936.25 -14284935.94 -14284935.62 0.0275 0.0015
 Jupiter -43820-06-04 15:06 J -14283677.12 -14283676.87 -14283676.61 0.0485 0.0139
 Neptune -43804-05-06 15:21 J -14277862.08 -14277861.86 -14277861.62 0.0089 0.0064
 Neptune -43802-04-02 14:09 J -14277166.20 -14277165.91 -14277165.59 0.0089 0.0037
 Neptune -43800-02-26 11:02 J -14276470.36 -14276470.04 -14276469.70 0.0089 0.0010
 Neptune -43798-01-23 05:02 J -14275774.61 -14275774.29 -14275773.96 0.0089 0.0017
 Neptune -43797-12-18 19:40 J -14275078.94 -14275078.68 -14275078.36 0.0089 0.0044
 Neptune -43795-11-14 09:35 J -14274383.29 -14274383.10 -14274382.88 0.0089 0.0069
 Pluto -43785-12-04 06:28 J -14270710.46 -14270710.23 -14270709.96 0.0064 0.0032
 Jupiter -43784-03-08 20:09 J -14270615.87 -14270615.66 -14270615.44 0.0486 0.0285
 Uranus -43783-04-04 08:09 J -14270224.36 -14270224.16 -14270223.91 0.0134 0.0092
 Saturn -43779-03-31 04:47 J -14268767.54 -14268767.30 -14268767.04 0.0284 0.0128
 Saturn -43749-05-17 18:57 J -14257761.87 -14257761.71 -14257761.53 0.0285 0.0222
 Uranus -43743-08-04 14:09 J -14255492.20 -14255491.91 -14255491.61 0.0145 0.0040
 Saturn -43735-05-19 04:04 J -14252647.64 -14252647.33 -14252647.02 0.0274 0.0024
 Neptune -43724-03-08 21:06 J -14248700.75 -14248700.62 -14248700.43 0.0089 0.0075

Neptune -43722-01-31 16:04 J -14248007.05 -14248006.83 -14248006.57 0.0089 0.0052
 Neptune -43721-12-25 13:26 J -14247313.20 -14247312.94 -14247312.64 0.0089 0.0029
 Jupiter -43719-02-26 15:35 J -14246885.11 -14246884.85 -14246884.58 0.0543 0.0176
 Neptune -43719-11-19 12:28 J -14246619.28 -14246618.98 -14246618.68 0.0089 0.0005
 Neptune -43717-10-13 11:02 J -14245925.31 -14245925.04 -14245924.73 0.0088 0.0020
 Neptune -43715-09-07 12:42 J -14245231.21 -14245230.97 -14245230.69 0.0088 0.0044
 Neptune -43713-08-01 16:04 J -14244537.00 -14244536.83 -14244536.61 0.0088 0.0068
 Jupiter -43702-11-25 10:33 J -14240404.18 -14240404.06 -14240403.91 0.0485 0.0415
 Uranus -43699-11-28 09:50 J -14239305.40 -14239305.09 -14239304.78 0.0134 0.0002
 Saturn -43691-08-24 15:35 J -14236479.11 -14236478.85 -14236478.59 0.0284 0.0100
 Jupiter -43684-12-04 17:16 J -14233819.86 -14233819.78 -14233819.70 0.0543 0.0516
 Jupiter -43666-08-29 11:59 J -14227343.27 -14227343.00 -14227342.73 0.0485 0.0004
 Saturn -43661-10-11 13:40 J -14225473.03 -14225472.93 -14225472.80 0.0285 0.0257
 Uranus -43658-03-31 05:02 J -14224572.54 -14224572.29 -14224572.00 0.0144 0.0068
 Saturn -43647-10-13 14:38 J -14220358.18 -14220357.89 -14220357.58 0.0275 0.0076
 Neptune -43641-12-17 23:02 J -14218100.69 -14218100.54 -14218100.33 0.0089 0.0075
 Neptune -43639-11-13 23:45 J -14217404.78 -14217404.51 -14217404.21 0.0089 0.0047
 Neptune -43637-10-09 22:18 J -14216708.89 -14216708.57 -14216708.24 0.0089 0.0019
 Neptune -43635-09-05 18:42 J -14216013.04 -14216012.72 -14216012.38 0.0089 0.0009
 Neptune -43633-08-01 12:28 J -14215317.26 -14215316.98 -14215316.66 0.0089 0.0036
 Neptune -43631-06-28 03:35 J -14214621.57 -14214621.35 -14214621.10 0.0089 0.0062
 Jupiter -43630-06-02 17:45 J -14214281.89 -14214281.76 -14214281.63 0.0485 0.0423
 Neptune -43629-05-23 16:04 J -14213925.85 -14213925.83 -14213925.76 0.0089 0.0088
 Uranus -43614-07-24 10:04 J -14208386.28 -14208386.08 -14208385.82 0.0134 0.0090
 Saturn -43602-01-18 01:40 J -14204190.69 -14204190.43 -14204190.16 0.0284 0.0076
 Saturn -43588-01-16 05:02 J -14199078.36 -14199078.29 -14199078.22 0.0276 0.0267
 Uranus -43576-12-21 05:59 J -14194356.39 -14194356.25 -14194356.07 0.0145 0.0123
 Saturn -43572-03-06 19:26 J -14193184.72 -14193184.69 -14193184.65 0.0284 0.0281
 Jupiter -43565-05-23 05:02 J -14190550.57 -14190550.29 -14190550.01 0.0543 0.0037
 Neptune -43561-10-22 05:45 J -14188937.35 -14188937.26 -14188937.15 0.0089 0.0083

Neptune -43559-09-16 00:28 J -14188243.68 -14188243.48 -14188243.25 0.0089 0.0060
 Saturn -43558-03-08 07:40 J -14188070.47 -14188070.18 -14188069.89 0.0275 0.0097
 Neptune -43557-08-09 19:26 J -14187549.94 -14187549.69 -14187549.40 0.0089 0.0037
 Neptune -43555-07-04 16:33 J -14186856.09 -14186855.81 -14186855.50 0.0089 0.0013
 Neptune -43553-05-28 16:18 J -14186162.11 -14186161.82 -14186161.52 0.0089 0.0012
 Neptune -43551-04-22 15:35 J -14185468.10 -14185467.85 -14185467.55 0.0088 0.0037
 Neptune -43549-03-16 17:30 J -14184773.97 -14184773.77 -14184773.53 0.0088 0.0061
 Neptune -43547-02-08 22:04 J -14184079.66 -14184079.58 -14184079.50 0.0088 0.0085
 Jupiter -43547-02-18 13:54 J -14184070.14 -14184069.92 -14184069.69 0.0485 0.0268
 Pluto -43538-04-28 01:40 J -14180714.68 -14180714.43 -14180714.14 0.0064 0.0025
 Uranus -43531-04-16 19:11 J -14178168.97 -14178168.70 -14178168.42 0.0134 0.0061
 Saturn -43514-06-13 10:04 J -14171902.36 -14171902.08 -14171901.81 0.0283 0.0045
 Jupiter -43512-11-22 17:59 J -14171009.01 -14171008.75 -14171008.50 0.0485 0.0151
 Saturn -43500-06-10 18:14 J -14166790.87 -14166790.74 -14166790.61 0.0276 0.0250
 Uranus -43491-08-16 19:54 J -14163436.97 -14163436.67 -14163436.36 0.0144 0.0015
 Neptune -43477-07-31 08:09 J -14158339.23 -14158339.16 -14158339.03 0.0089 0.0085
 Neptune -43475-06-27 10:18 J -14157643.31 -14157643.07 -14157642.79 0.0089 0.0057
 Neptune -43473-05-23 10:33 J -14156947.36 -14156947.06 -14156946.72 0.0089 0.0029
 Neptune -43471-04-19 08:23 J -14156251.49 -14156251.15 -14156250.82 0.0089 0.0001
 Saturn -43470-08-02 00:28 J -14155781.74 -14155781.48 -14155781.20 0.0276 0.0138
 Neptune -43469-03-15 04:18 J -14155555.63 -14155555.32 -14155555.00 0.0089 0.0027
 Neptune -43467-02-08 21:21 J -14154859.84 -14154859.61 -14154859.32 0.0089 0.0055
 Neptune -43465-01-05 12:14 J -14154164.11 -14154163.99 -14154163.85 0.0089 0.0081
 Jupiter -43447-11-09 11:02 J -14147281.19 -14147281.04 -14147280.89 0.0544 0.0459
 Uranus -43447-12-10 18:57 J -14147250.01 -14147249.71 -14147249.40 0.0134 0.0028
 Saturn -43426-11-06 10:33 J -14139614.33 -14139614.06 -14139613.78 0.0284 0.0030
 Saturn -43412-11-04 05:59 J -14134502.44 -14134502.25 -14134502.05 0.0276 0.0214
 Jupiter -43411-08-17 06:42 J -14134216.48 -14134216.22 -14134215.96 0.0543 0.0220
 Uranus -43406-04-12 08:38 J -14132517.35 -14132517.14 -14132516.88 0.0144 0.0092
 Neptune -43395-05-01 08:09 J -14128480.31 -14128480.16 -14128479.94 0.0089 0.0069

Neptune -43393-03-25 04:18 J -14127786.56 -14127786.32 -14127786.05 0.0089 0.0045
 Jupiter -43393-05-14 22:18 J -14127735.83 -14127735.57 -14127735.31 0.0484 0.0111
 Neptune -43391-02-17 00:14 J -14127092.76 -14127092.49 -14127092.19 0.0089 0.0021
 Neptune -43389-01-11 21:35 J -14126398.89 -14126398.60 -14126398.30 0.0089 0.0004
 Neptune -43388-12-05 21:35 J -14125704.87 -14125704.60 -14125704.31 0.0089 0.0029
 Neptune -43386-10-30 21:21 J -14125010.82 -14125010.61 -14125010.35 0.0088 0.0054
 Neptune -43384-09-23 22:47 J -14124316.65 -14124316.55 -14124316.37 0.0088 0.0079
 Saturn -43382-12-25 14:23 J -14123494.15 -14123493.90 -14123493.64 0.0275 0.0156
 Uranus -43364-09-02 23:02 J -14117032.62 -14117032.54 -14117032.40 0.0134 0.0125
 Uranus -43362-08-05 18:14 J -14116330.89 -14116330.74 -14116330.59 0.0135 0.0117
 Jupiter -43357-02-17 03:35 J -14114674.55 -14114674.35 -14114674.14 0.0485 0.0309
 Saturn -43337-04-01 08:52 J -14107325.40 -14107325.13 -14107324.85 0.0283 0.0020
 Uranus -43323-01-02 12:14 J -14102301.20 -14102300.99 -14102300.76 0.0145 0.0099
 Saturn -43323-03-30 02:38 J -14102214.60 -14102214.39 -14102214.16 0.0276 0.0191
 Neptune -43311-02-07 22:47 J -14097881.75 -14097881.55 -14097881.31 0.0089 0.0067
 Neptune -43309-01-04 23:45 J -14097185.78 -14097185.51 -14097185.18 0.0089 0.0039
 Neptune -43308-12-01 00:14 J -14096489.82 -14096489.49 -14096489.16 0.0089 0.0010
 Neptune -43306-10-27 20:52 J -14095793.94 -14095793.63 -14095793.29 0.0089 0.0019
 Neptune -43304-09-22 16:04 J -14095098.09 -14095097.83 -14095097.53 0.0089 0.0047
 Neptune -43302-08-19 09:35 J -14094402.27 -14094402.10 -14094401.91 0.0089 0.0074
 Saturn -43293-05-20 04:47 J -14091205.51 -14091205.30 -14091205.08 0.0276 0.0199
 Jupiter -43292-02-02 09:50 J -14090947.32 -14090947.09 -14090946.84 0.0544 0.0278
 Uranus -43279-04-28 23:02 J -14086113.82 -14086113.54 -14086113.22 0.0134 0.0037
 Jupiter -43275-11-05 01:54 J -14084462.58 -14084462.42 -14084462.24 0.0484 0.0373
 Jupiter -43257-11-11 00:42 J -14077881.63 -14077881.47 -14077881.31 0.0543 0.0445
 Saturn -43249-08-25 17:45 J -14075037.03 -14075036.76 -14075036.49 0.0283 0.0044
 Jupiter -43239-08-09 02:09 J -14071401.68 -14071401.41 -14071401.14 0.0485 0.0034
 Uranus -43239-08-28 22:18 J -14071381.87 -14071381.57 -14071381.26 0.0144 0.0005
 Saturn -43235-08-23 18:28 J -14069925.97 -14069925.73 -14069925.45 0.0277 0.0149
 Neptune -43232-12-14 20:23 J -14068716.78 -14068716.65 -14068716.50 0.0089 0.0077

Neptune -43230-11-08 14:23 J -14068023.13 -14068022.90 -14068022.66 0.0089 0.0053
 Neptune -43228-10-02 09:50 J -14067329.35 -14067329.09 -14067328.80 0.0089 0.0029
 Neptune -43226-08-27 06:28 J -14066635.52 -14066635.23 -14066634.93 0.0089 0.0004
 Neptune -43224-07-21 03:06 J -14065941.64 -14065941.37 -14065941.07 0.0089 0.0022
 Neptune -43222-06-15 02:52 J -14065247.61 -14065247.38 -14065247.10 0.0089 0.0047
 Neptune -43220-05-09 04:04 J -14064553.47 -14064553.33 -14064553.12 0.0088 0.0072
 Saturn -43205-10-13 17:59 J -14058916.90 -14058916.75 -14058916.58 0.0276 0.0236
 Pluto -43204-03-18 00:42 J -14058761.47 -14058761.47 -14058761.43 0.0081 0.0081
 Jupiter -43203-05-13 01:54 J -14058340.51 -14058340.42 -14058340.32 0.0485 0.0449
 Uranus -43195-12-22 20:23 J -14055194.92 -14055194.65 -14055194.35 0.0134 0.0051
 Saturn -43191-12-02 16:33 J -14053753.86 -14053753.81 -14053753.71 0.0282 0.0272
 Saturn -43160-01-20 11:45 J -14042747.26 -14042747.01 -14042746.75 0.0283 0.0112
 Uranus -43154-04-24 08:52 J -14040462.32 -14040462.13 -14040461.92 0.0144 0.0109
 Neptune -43148-09-21 12:28 J -14038120.14 -14038119.98 -14038119.81 0.0089 0.0077
 Saturn -43146-01-17 19:54 J -14037636.96 -14037636.67 -14037636.38 0.0277 0.0104
 Neptune -43146-08-18 14:52 J -14037424.17 -14037423.88 -14037423.60 0.0089 0.0048
 Neptune -43144-07-14 15:06 J -14036728.18 -14036727.87 -14036727.53 0.0089 0.0020
 Neptune -43142-06-10 14:38 J -14036032.21 -14036031.89 -14036031.55 0.0089 0.0010
 Neptune -43140-05-06 11:45 J -14035336.31 -14035336.01 -14035335.71 0.0089 0.0038
 Neptune -43138-04-02 05:30 J -14034640.45 -14034640.27 -14034640.02 0.0089 0.0067
 Jupiter -43138-04-29 17:30 J -14034613.05 -14034612.77 -14034612.49 0.0544 0.0073
 Jupiter -43120-01-28 22:04 J -14028128.81 -14028128.58 -14028128.35 0.0485 0.0244
 Uranus -43112-09-14 21:50 J -14024977.77 -14024977.59 -14024977.37 0.0134 0.0104
 Saturn -43102-04-29 15:06 J -14021464.05 -14021463.87 -14021463.66 0.0282 0.0201
 Jupiter -43085-11-01 16:47 J -14015068.04 -14015067.80 -14015067.54 0.0484 0.0162
 Saturn -43072-06-16 07:54 J -14010458.39 -14010458.17 -14010457.92 0.0283 0.0148
 Uranus -43071-01-14 10:04 J -14010246.31 -14010246.08 -14010245.81 0.0145 0.0083
 Neptune -43068-07-30 09:06 J -14008953.17 -14008953.12 -14008953.03 0.0089 0.0086
 Neptune -43066-06-24 02:23 J -14008259.59 -14008259.40 -14008259.18 0.0089 0.0062
 Neptune -43064-05-17 20:09 J -14007565.90 -14007565.66 -14007565.37 0.0089 0.0038

Neptune -43062-04-11 16:47 J -14006872.08 -14006871.80 -14006871.49 0.0089 0.0013

Neptune -43060-03-05 14:23 J -14006178.19 -14006177.90 -14006177.61 0.0089 0.0013

Neptune -43058-01-28 11:30 J -14005484.27 -14005484.02 -14005483.73 0.0089 0.0039

Saturn -43058-06-13 21:35 J -14005347.90 -14005347.60 -14005347.29 0.0276 0.0054

Neptune -43057-12-22 11:45 J -14004790.21 -14004790.01 -14004789.80 0.0089 0.0064

Uranus -43027-05-10 18:28 J -13994059.04 -13994058.73 -13994058.42 0.0134 0.0016

Saturn -43014-09-23 13:26 J -13989175.17 -13989174.94 -13989174.72 0.0282 0.0165

43RD MILLENNIUM BCE

This is a list of transits of Mars in the 43rd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-42987-09-09 18:57 J	-13979327.01	-13979326.71	-13979326.41	0.0144	0.0022		
Neptune	-42984-05-05 02:38 J	-13978358.42	-13978358.39	-13978358.34	0.0089	0.0088		
Jupiter	-42984-07-22 21:21 J	-13978279.89	-13978279.61	-13978279.33	0.0543	0.0072		
Saturn	-42984-11-11 06:42 J	-13978168.39	-13978168.22	-13978168.04	0.0283	0.0215		
Neptune	-42982-04-01 06:28 J	-13977662.45	-13977662.23	-13977661.94	0.0089	0.0059		
Neptune	-42980-02-25 09:06 J	-13976966.43	-13976966.12	-13976965.79	0.0089	0.0029		
Neptune	-42978-01-22 09:21 J	-13976270.45	-13976270.11	-13976269.78	0.0089	0.0001		
Neptune	-42977-12-18 07:11 J	-13975574.49	-13975574.20	-13975573.86	0.0089	0.0030		
Neptune	-42975-11-14 03:35 J	-13974878.57	-13974878.35	-13974878.07	0.0089	0.0059		
Neptune	-42973-10-09 21:06 J	-13974182.65	-13974182.62	-13974182.52	0.0089	0.0087		
Saturn	-42970-11-08 20:38 J	-13973057.94	-13973057.64	-13973057.33	0.0276	0.0010		
Jupiter	-42966-04-24 08:52 J	-13971795.38	-13971795.13	-13971794.87	0.0484	0.0124		

Pluto -42958-08-09 16:18 J -13968766.14 -13968765.82 -13968765.48 0.0080 0.0023
 Uranus -42942-01-03 14:38 J -13963140.15 -13963139.89 -13963139.62 0.0134 0.0071
 Jupiter -42930-01-26 05:45 J -13958734.48 -13958734.26 -13958734.04 0.0485 0.0281
 Saturn -42925-02-18 06:14 J -13956885.49 -13956885.24 -13956884.97 0.0283 0.0106
 Neptune -42902-02-06 16:33 J -13948495.96 -13948495.81 -13948495.61 0.0089 0.0071
 Uranus -42902-05-06 03:50 J -13948407.46 -13948407.34 -13948407.18 0.0144 0.0127
 Neptune -42901-12-31 11:02 J -13947802.28 -13947802.04 -13947801.78 0.0089 0.0046
 Neptune -42899-11-25 04:47 J -13947108.57 -13947108.30 -13947108.00 0.0089 0.0021
 Neptune -42897-10-19 01:11 J -13946414.75 -13946414.45 -13946414.16 0.0089 0.0005
 Saturn -42895-04-07 01:26 J -13945879.55 -13945879.44 -13945879.30 0.0283 0.0250
 Neptune -42895-09-12 22:18 J -13945720.83 -13945720.57 -13945720.28 0.0089 0.0031
 Neptune -42893-08-06 20:09 J -13945026.86 -13945026.66 -13945026.41 0.0089 0.0057
 Neptune -42891-07-01 19:26 J -13944332.76 -13944332.69 -13944332.54 0.0089 0.0083
 Saturn -42881-04-03 17:59 J -13940769.05 -13940768.75 -13940768.44 0.0276 0.0053
 Jupiter -42865-01-08 08:52 J -13935011.29 -13935011.13 -13935010.98 0.0543 0.0453
 Uranus -42860-09-26 11:59 J -13932923.22 -13932923.00 -13932922.73 0.0134 0.0086
 Jupiter -42848-10-14 06:28 J -13928522.37 -13928522.23 -13928522.07 0.0484 0.0399
 Saturn -42837-07-13 23:16 J -13924596.79 -13924596.53 -13924596.25 0.0282 0.0071
 Jupiter -42830-10-16 23:45 J -13921945.75 -13921945.51 -13921945.26 0.0544 0.0264
 Uranus -42819-01-26 08:09 J -13918191.41 -13918191.16 -13918190.88 0.0145 0.0066
 Neptune -42819-11-12 22:18 J -13917900.77 -13917900.57 -13917900.35 0.0089 0.0069
 Neptune -42817-10-09 02:23 J -13917204.70 -13917204.40 -13917204.09 0.0089 0.0039
 Neptune -42815-09-05 04:33 J -13916508.65 -13916508.31 -13916507.98 0.0089 0.0009
 Neptune -42813-08-01 03:50 J -13915812.65 -13915812.34 -13915812.00 0.0089 0.0021
 Jupiter -42812-07-18 00:14 J -13915461.76 -13915461.49 -13915461.23 0.0485 0.0003
 Neptune -42811-06-28 02:09 J -13915116.68 -13915116.41 -13915116.13 0.0089 0.0050
 Neptune -42809-05-23 22:04 J -13914420.71 -13914420.58 -13914420.41 0.0089 0.0079
 Pluto -42801-08-12 14:23 J -13911418.12 -13911417.90 -13911417.64 0.0064 0.0036
 Saturn -42793-08-29 13:26 J -13908479.22 -13908478.94 -13908478.65 0.0276 0.0113
 Jupiter -42776-04-20 22:33 J -13902400.70 -13902400.56 -13902400.41 0.0484 0.0405

Uranus -42775-05-22 08:38 J -13902004.45 -13902004.14 -13902003.82 0.0134 0.0002
 Saturn -42749-12-07 18:42 J -13892308.00 -13892307.72 -13892307.44 0.0283 0.0037
 Neptune -42739-09-22 08:23 J -13888732.25 -13888732.15 -13888732.00 0.0089 0.0080
 Neptune -42737-08-16 01:11 J -13888038.66 -13888038.45 -13888038.20 0.0089 0.0055
 Neptune -42735-07-10 20:38 J -13887344.92 -13887344.64 -13887344.36 0.0089 0.0029
 Uranus -42735-09-21 16:18 J -13887272.10 -13887271.82 -13887271.52 0.0144 0.0037
 Saturn -42735-12-03 15:50 J -13887198.99 -13887198.84 -13887198.66 0.0277 0.0233
 Neptune -42733-06-03 14:38 J -13886651.18 -13886650.89 -13886650.59 0.0089 0.0004
 Neptune -42731-04-28 10:47 J -13885957.32 -13885957.05 -13885956.75 0.0089 0.0023
 Neptune -42729-03-22 09:06 J -13885263.36 -13885263.12 -13885262.86 0.0089 0.0049
 Neptune -42727-02-14 07:54 J -13884569.32 -13884569.17 -13884569.00 0.0089 0.0075
 Jupiter -42711-04-03 16:47 J -13878677.05 -13878676.80 -13878676.55 0.0544 0.0252
 Saturn -42704-01-22 14:52 J -13876191.14 -13876190.88 -13876190.61 0.0276 0.0141
 Jupiter -42693-01-08 05:02 J -13872188.51 -13872188.29 -13872188.07 0.0484 0.0267
 Uranus -42690-01-15 03:35 J -13871085.57 -13871085.35 -13871085.09 0.0134 0.0086
 Jupiter -42675-01-09 16:47 J -13865611.96 -13865611.80 -13865611.62 0.0544 0.0429
 Saturn -42660-05-03 05:30 J -13860019.55 -13860019.27 -13860018.99 0.0282 0.0005
 Jupiter -42658-10-12 02:38 J -13859127.64 -13859127.39 -13859127.13 0.0484 0.0138
 Neptune -42655-06-26 14:52 J -13858139.01 -13858138.88 -13858138.72 0.0089 0.0080
 Neptune -42653-05-22 19:11 J -13857442.95 -13857442.70 -13857442.39 0.0089 0.0050
 Neptune -42651-04-18 23:16 J -13856746.85 -13856746.53 -13856746.19 0.0089 0.0019
 Uranus -42650-05-17 23:02 J -13856352.61 -13856352.54 -13856352.44 0.0144 0.0138
 Neptune -42649-03-15 00:57 J -13856050.79 -13856050.46 -13856050.12 0.0089 0.0012
 Neptune -42647-02-08 23:45 J -13855354.79 -13855354.51 -13855354.19 0.0089 0.0042
 Saturn -42646-04-28 11:45 J -13854911.19 -13854911.01 -13854910.80 0.0277 0.0211
 Neptune -42645-01-05 21:06 J -13854658.81 -13854658.62 -13854658.41 0.0089 0.0071
 Saturn -42616-06-18 14:52 J -13843902.10 -13843901.88 -13843901.65 0.0277 0.0188
 Uranus -42608-10-07 22:33 J -13840868.82 -13840868.56 -13840868.29 0.0134 0.0073
 Neptune -42573-03-31 17:59 J -13828274.92 -13828274.75 -13828274.52 0.0089 0.0064
 Saturn -42572-09-26 07:11 J -13827731.48 -13827731.20 -13827730.92 0.0282 0.0015

Neptune -42571-02-23 11:02 J -13827581.28 -13827581.04 -13827580.76 0.0089 0.0038
 Neptune -42569-01-18 06:28 J -13826887.51 -13826887.23 -13826886.93 0.0089 0.0012
 Neptune -42568-12-12 01:26 J -13826193.72 -13826193.44 -13826193.14 0.0089 0.0015
 Uranus -42567-02-07 03:21 J -13826136.63 -13826136.36 -13826136.08 0.0144 0.0054
 Neptune -42566-11-05 21:21 J -13825499.86 -13825499.61 -13825499.33 0.0089 0.0041
 Neptune -42564-09-29 19:11 J -13824805.86 -13824805.70 -13824805.48 0.0089 0.0068
 Saturn -42558-09-22 03:35 J -13822622.58 -13822622.35 -13822622.09 0.0278 0.0170
 Jupiter -42557-06-27 17:45 J -13822343.04 -13822342.76 -13822342.47 0.0544 0.0069
 Pluto -42554-01-04 05:30 J -13821422.55 -13821422.27 -13821421.97 0.0064 0.0006
 Jupiter -42539-04-03 13:40 J -13815854.18 -13815853.93 -13815853.67 0.0484 0.0116
 Saturn -42528-11-11 04:18 J -13811614.51 -13811614.32 -13811614.10 0.0277 0.0206
 Uranus -42523-06-02 17:45 J -13809950.07 -13809949.76 -13809949.44 0.0134 0.0013
 Jupiter -42503-01-05 12:14 J -13802793.20 -13802792.99 -13802792.78 0.0484 0.0288
 Neptune -42489-01-04 12:42 J -13797681.18 -13797680.97 -13797680.68 0.0089 0.0061
 Neptune -42488-11-30 17:59 J -13796985.07 -13796984.75 -13796984.42 0.0089 0.0029
 Neptune -42486-10-27 21:06 J -13796288.96 -13796288.62 -13796288.28 0.0089 0.0002
 Neptune -42484-09-22 22:18 J -13795592.87 -13795592.57 -13795592.24 0.0089 0.0033
 Saturn -42483-02-20 00:42 J -13795442.74 -13795442.47 -13795442.19 0.0281 0.0059
 Uranus -42483-10-03 07:40 J -13795217.45 -13795217.18 -13795216.88 0.0144 0.0048
 Neptune -42482-08-19 21:21 J -13794896.84 -13794896.61 -13794896.37 0.0089 0.0063
 Saturn -42469-02-14 20:09 J -13790334.90 -13790334.66 -13790334.39 0.0278 0.0153
 Saturn -42439-04-06 16:18 J -13779325.96 -13779325.82 -13779325.68 0.0278 0.0246
 Uranus -42438-01-26 12:42 J -13779031.18 -13779030.97 -13779030.75 0.0134 0.0099
 Saturn -42425-05-28 11:30 J -13774160.09 -13774160.02 -13774159.93 0.0280 0.0267
 Jupiter -42421-09-24 01:54 J -13772580.59 -13772580.42 -13772580.24 0.0484 0.0366
 Neptune -42410-11-15 12:28 J -13768511.12 -13768510.98 -13768510.79 0.0089 0.0073
 Neptune -42408-10-09 05:02 J -13767817.51 -13767817.29 -13767817.02 0.0089 0.0047
 Neptune -42406-09-02 21:50 J -13767123.86 -13767123.59 -13767123.29 0.0089 0.0021
 Neptune -42404-07-27 16:47 J -13766430.08 -13766429.80 -13766429.50 0.0089 0.0007
 Jupiter -42403-09-22 19:26 J -13766007.96 -13766007.69 -13766007.42 0.0544 0.0172

Neptune -42402-06-21 12:42 J -13765736.23 -13765735.97 -13765735.69 0.0089 0.0033
 Neptune -42400-05-15 08:38 J -13765042.34 -13765042.14 -13765041.90 0.0089 0.0060
 Uranus -42400-06-25 15:35 J -13765000.89 -13765000.85 -13765000.77 0.0145 0.0142
 Neptune -42398-04-09 06:57 J -13764348.24 -13764348.21 -13764348.12 0.0089 0.0087
 Saturn -42395-07-16 03:50 J -13763154.60 -13763154.34 -13763154.06 0.0281 0.0080
 Jupiter -42385-06-27 21:06 J -13759519.89 -13759519.62 -13759519.36 0.0484 0.0031
 Saturn -42381-07-10 06:42 J -13758046.49 -13758046.22 -13758045.93 0.0278 0.0116
 Uranus -42356-10-19 04:47 J -13748814.57 -13748814.30 -13748814.01 0.0134 0.0060
 Saturn -42351-08-30 18:57 J -13747037.75 -13747037.71 -13747037.64 0.0277 0.0273
 Jupiter -42349-03-31 17:02 J -13746458.91 -13746458.79 -13746458.68 0.0484 0.0434
 Saturn -42337-10-21 18:28 J -13741871.87 -13741871.73 -13741871.60 0.0280 0.0245
 Neptune -42326-08-18 05:59 J -13737919.45 -13737919.25 -13737919.04 0.0089 0.0071
 Neptune -42324-07-14 11:16 J -13737223.31 -13737223.03 -13737222.71 0.0089 0.0040
 Neptune -42322-06-10 15:50 J -13736527.17 -13736526.84 -13736526.49 0.0089 0.0009
 Neptune -42320-05-06 17:59 J -13735831.06 -13735830.75 -13735830.41 0.0089 0.0024
 Neptune -42318-04-02 19:26 J -13735134.95 -13735134.69 -13735134.42 0.0089 0.0054
 Neptune -42316-02-26 17:30 J -13734438.84 -13734438.77 -13734438.64 0.0089 0.0085
 Uranus -42315-02-18 21:50 J -13734081.87 -13734081.59 -13734081.30 0.0144 0.0040
 Pluto -42308-05-27 18:28 J -13731426.90 -13731426.73 -13731426.47 0.0064 0.0045
 Saturn -42307-12-10 15:35 J -13730865.08 -13730864.85 -13730864.60 0.0281 0.0141
 Saturn -42293-12-03 20:09 J -13725757.94 -13725757.66 -13725757.36 0.0278 0.0082
 Jupiter -42284-03-10 04:04 J -13722739.54 -13722739.33 -13722739.10 0.0544 0.0356
 Uranus -42271-06-14 02:09 J -13717895.72 -13717895.41 -13717895.10 0.0134 0.0026
 Jupiter -42267-12-19 03:21 J -13716246.59 -13716246.36 -13716246.13 0.0484 0.0232
 Jupiter -42249-12-16 06:57 J -13709674.43 -13709674.21 -13709673.98 0.0544 0.0329
 Saturn -42248-03-18 11:45 J -13709582.23 -13709582.01 -13709581.79 0.0280 0.0179
 Neptune -42246-07-01 05:59 J -13708747.35 -13708747.25 -13708747.14 0.0089 0.0082
 Neptune -42244-05-24 22:18 J -13708053.79 -13708053.57 -13708053.34 0.0089 0.0056
 Neptune -42242-04-18 15:35 J -13707360.11 -13707359.85 -13707359.56 0.0089 0.0030
 Neptune -42240-03-12 09:21 J -13706666.40 -13706666.11 -13706665.82 0.0089 0.0003

Neptune -42238-02-04 03:50 J -13705972.61 -13705972.34 -13705972.05 0.0089 0.0025
 Neptune -42237-12-29 00:28 J -13705278.70 -13705278.48 -13705278.22 0.0089 0.0052
 Neptune -42235-11-22 20:38 J -13704584.75 -13704584.64 -13704584.48 0.0089 0.0079
 Jupiter -42231-09-21 18:14 J -13703185.98 -13703185.74 -13703185.48 0.0484 0.0164
 Uranus -42231-10-15 04:47 J -13703162.57 -13703162.30 -13703162.03 0.0144 0.0061
 Saturn -42218-05-06 06:57 J -13698576.42 -13698576.21 -13698575.98 0.0281 0.0173
 Saturn -42204-04-29 16:18 J -13693469.12 -13693468.82 -13693468.51 0.0278 0.0037
 Uranus -42186-02-06 20:52 J -13686976.79 -13686976.63 -13686976.43 0.0134 0.0111
 Neptune -42162-03-31 22:33 J -13678157.65 -13678157.56 -13678157.41 0.0089 0.0083
 Neptune -42160-02-25 05:02 J -13677461.55 -13677461.29 -13677460.99 0.0089 0.0051
 Saturn -42160-08-12 06:57 J -13677293.45 -13677293.21 -13677292.97 0.0280 0.0144
 Neptune -42158-01-22 10:18 J -13676765.39 -13676765.07 -13676764.73 0.0089 0.0019
 Neptune -42157-12-18 14:09 J -13676069.23 -13676068.91 -13676068.56 0.0089 0.0014
 Neptune -42155-11-14 15:50 J -13675373.11 -13675372.84 -13675372.53 0.0089 0.0045
 Neptune -42153-10-10 16:18 J -13674676.97 -13674676.82 -13674676.63 0.0089 0.0076
 Uranus -42148-07-07 13:11 J -13672946.07 -13672945.95 -13672945.81 0.0145 0.0129
 Jupiter -42130-06-03 10:47 J -13666406.32 -13666406.05 -13666405.79 0.0544 0.0203
 Saturn -42130-10-01 05:45 J -13666286.39 -13666286.26 -13666286.11 0.0281 0.0242
 Saturn -42116-09-24 10:33 J -13661179.37 -13661179.06 -13661178.76 0.0278 0.0022
 Jupiter -42112-03-13 17:45 J -13659913.02 -13659912.76 -13659912.50 0.0484 0.0111
 Uranus -42104-10-30 11:59 J -13656760.28 -13656760.00 -13656759.70 0.0134 0.0050
 Jupiter -42094-03-12 10:33 J -13653340.13 -13653340.06 -13653339.97 0.0544 0.0522
 Neptune -42080-01-07 16:04 J -13648290.00 -13648289.83 -13648289.61 0.0089 0.0066
 Neptune -42079-12-02 08:38 J -13647596.39 -13647596.14 -13647595.86 0.0089 0.0039
 Neptune -42077-10-26 02:09 J -13646902.69 -13646902.41 -13646902.11 0.0089 0.0012
 Jupiter -42077-12-15 08:23 J -13646852.36 -13646852.15 -13646851.93 0.0485 0.0282
 Neptune -42075-09-19 19:40 J -13646208.96 -13646208.68 -13646208.38 0.0089 0.0016
 Neptune -42073-08-13 13:40 J -13645515.17 -13645514.93 -13645514.65 0.0089 0.0044
 Saturn -42071-01-07 03:35 J -13645003.62 -13645003.35 -13645003.07 0.0281 0.0079
 Neptune -42071-07-08 10:47 J -13644821.21 -13644821.05 -13644820.86 0.0089 0.0071

Uranus -42063-03-02 19:11 J -13642026.99 -13642026.70 -13642026.40 0.0144 0.0028

Saturn -42041-02-25 02:52 J -13633997.39 -13633997.38 -13633997.36 0.0281 0.0281

Saturn -42027-02-18 11:30 J -13628890.31 -13628890.02 -13628889.72 0.0278 0.0071

Uranus -42019-06-25 06:57 J -13625841.50 -13625841.21 -13625840.89 0.0134 0.0036

42ND MILLENNIUM BCE

This is a list of transits of Mars in the 42nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-41997-10-08 21:21 J	-13617699.85	-13617699.61	-13617699.36	0.0089	0.0062		
Neptune	-41995-09-05 02:52 J	-13617003.69	-13617003.38	-13617003.05	0.0089	0.0030		
Jupiter	-41994-09-03 17:59 J	-13616639.90	-13616639.75	-13616639.59	0.0484	0.0383		
Neptune	-41993-08-01 07:40 J	-13616307.52	-13616307.18	-13616306.84	0.0089	0.0003		
Neptune	-41991-06-28 11:16 J	-13615611.33	-13615611.03	-13615610.71	0.0089	0.0035		
Neptune	-41989-05-24 12:28 J	-13614915.17	-13614914.98	-13614914.73	0.0089	0.0067		
Saturn	-41983-06-03 00:42 J	-13612714.74	-13612714.47	-13612714.18	0.0280	0.0040		
Uranus	-41979-10-26 23:30 J	-13611107.76	-13611107.52	-13611107.25	0.0144	0.0073		
Jupiter	-41976-08-27 10:18 J	-13610072.36	-13610072.07	-13610071.78	0.0544	0.0017		
Saturn	-41969-05-25 07:40 J	-13607609.23	-13607609.18	-13607609.10	0.0279	0.0272		
Jupiter	-41958-06-07 05:59 J	-13603579.52	-13603579.25	-13603578.99	0.0485	0.0007		
Saturn	-41939-07-16 12:57 J	-13596600.21	-13596599.96	-13596599.68	0.0278	0.0138		
Uranus	-41936-03-17 19:40 J	-13595624.77	-13595624.68	-13595624.55	0.0134	0.0125		
Uranus	-41934-02-18 02:23 J	-13594922.51	-13594922.40	-13594922.24	0.0134	0.0122		
Jupiter	-41922-03-10 21:50 J	-13590518.74	-13590518.59	-13590518.44	0.0484	0.0393		

Neptune -41917-08-23 10:18 J -13588526.20 -13588526.07 -13588525.90 0.0089 0.0076
 Neptune -41915-07-18 01:26 J -13587832.66 -13587832.44 -13587832.18 0.0089 0.0049
 Neptune -41913-06-10 17:59 J -13587139.03 -13587138.75 -13587138.47 0.0089 0.0021
 Neptune -41911-05-05 11:59 J -13586445.29 -13586445.00 -13586444.71 0.0089 0.0007
 Neptune -41909-03-29 05:59 J -13585751.50 -13585751.25 -13585750.96 0.0089 0.0035
 Neptune -41907-02-21 00:28 J -13585057.66 -13585057.48 -13585057.25 0.0089 0.0063
 Uranus -41896-07-19 10:04 J -13580891.24 -13580891.08 -13580890.88 0.0145 0.0116
 Saturn -41895-10-28 05:16 J -13580425.57 -13580425.28 -13580425.00 0.0281 0.0006
 Saturn -41881-10-20 03:50 J -13575319.53 -13575319.34 -13575319.14 0.0279 0.0210
 Uranus -41852-11-10 15:21 J -13564706.16 -13564705.86 -13564705.55 0.0134 0.0039
 Saturn -41851-12-09 22:47 J -13564311.78 -13564311.55 -13564311.30 0.0278 0.0173
 Jupiter -41840-11-27 10:47 J -13560306.26 -13560306.05 -13560305.83 0.0485 0.0265
 Neptune -41833-05-22 11:02 J -13557938.19 -13557938.04 -13557937.82 0.0089 0.0075
 Neptune -41831-04-18 18:28 J -13557242.00 -13557241.73 -13557241.40 0.0089 0.0042
 Neptune -41829-03-15 00:28 J -13556545.81 -13556545.48 -13556545.13 0.0089 0.0009
 Neptune -41827-02-09 04:18 J -13555849.63 -13555849.32 -13555848.98 0.0089 0.0025
 Neptune -41825-01-06 07:11 J -13555153.44 -13555153.20 -13555152.92 0.0089 0.0057
 Jupiter -41822-11-20 19:11 J -13553738.98 -13553738.70 -13553738.42 0.0544 0.0134
 Uranus -41811-03-14 16:18 J -13549972.11 -13549971.82 -13549971.52 0.0144 0.0014
 Saturn -41806-03-23 20:09 J -13548136.93 -13548136.66 -13548136.37 0.0280 0.0045
 Jupiter -41804-08-31 02:52 J -13547245.64 -13547245.38 -13547245.13 0.0484 0.0127
 Saturn -41792-03-15 07:40 J -13543031.41 -13543031.18 -13543030.95 0.0279 0.0182
 Uranus -41767-07-06 13:11 J -13533787.23 -13533786.95 -13533786.64 0.0134 0.0048
 Saturn -41762-05-06 06:28 J -13532022.40 -13532022.23 -13532022.05 0.0279 0.0228
 Neptune -41753-04-08 01:54 J -13528762.47 -13528762.42 -13528762.33 0.0089 0.0086
 Neptune -41751-03-02 18:14 J -13528068.93 -13528068.74 -13528068.50 0.0089 0.0059
 Neptune -41749-01-25 10:33 J -13527375.32 -13527375.06 -13527374.78 0.0089 0.0031
 Neptune -41748-12-19 02:38 J -13526681.68 -13526681.39 -13526681.10 0.0089 0.0003
 Neptune -41746-11-12 20:23 J -13525987.93 -13525987.65 -13525987.37 0.0089 0.0025
 Neptune -41744-10-06 14:23 J -13525294.10 -13525293.90 -13525293.63 0.0089 0.0054

Neptune -41742-08-31 09:06 J -13524600.20 -13524600.12 -13524599.97 0.0089 0.0082
 Pluto -41728-09-02 12:28 J -13519484.28 -13519483.98 -13519483.68 0.0080 0.0040
 Uranus -41727-11-07 23:30 J -13519052.75 -13519052.52 -13519052.28 0.0144 0.0089
 Saturn -41718-08-17 02:09 J -13515848.68 -13515848.41 -13515848.13 0.0280 0.0068
 Saturn -41704-08-09 05:59 J -13510742.50 -13510742.25 -13510741.98 0.0279 0.0136
 Jupiter -41703-05-08 03:21 J -13510470.55 -13510470.36 -13510470.15 0.0544 0.0390
 Jupiter -41685-02-21 15:50 J -13503972.09 -13503971.84 -13503971.58 0.0484 0.0125
 Uranus -41684-03-29 00:28 J -13503570.64 -13503570.48 -13503570.30 0.0134 0.0113
 Uranus -41682-03-01 09:50 J -13502868.09 -13502868.09 -13502868.05 0.0134 0.0134
 Saturn -41674-09-28 23:02 J -13499734.67 -13499734.54 -13499734.40 0.0278 0.0247
 Neptune -41669-01-03 22:47 J -13498176.56 -13498176.55 -13498176.45 0.0088 0.0088
 Neptune -41668-11-30 07:40 J -13497480.44 -13497480.18 -13497479.90 0.0089 0.0054
 Jupiter -41667-02-14 19:54 J -13497403.88 -13497403.67 -13497403.46 0.0544 0.0371
 Neptune -41666-10-27 14:38 J -13496784.20 -13496783.89 -13496783.54 0.0089 0.0021
 Neptune -41664-09-22 20:23 J -13496087.98 -13496087.65 -13496087.30 0.0089 0.0014
 Neptune -41662-08-19 23:30 J -13495391.77 -13495391.52 -13495391.20 0.0089 0.0047
 Neptune -41660-07-16 02:23 J -13494695.53 -13494695.40 -13494695.22 0.0089 0.0079
 Saturn -41660-11-22 00:14 J -13494566.54 -13494566.49 -13494566.43 0.0279 0.0273
 Jupiter -41650-11-25 08:23 J -13490911.37 -13490911.15 -13490910.93 0.0484 0.0266
 Uranus -41644-07-31 12:28 J -13488836.18 -13488835.98 -13488835.75 0.0145 0.0100
 Saturn -41629-01-10 17:30 J -13483560.03 -13483559.77 -13483559.51 0.0279 0.0111
 Saturn -41615-01-01 22:04 J -13478454.84 -13478454.58 -13478454.30 0.0279 0.0120
 Uranus -41600-11-21 23:59 J -13472651.80 -13472651.50 -13472651.18 0.0134 0.0026
 Neptune -41588-10-16 09:21 J -13468305.26 -13468305.11 -13468304.90 0.0089 0.0070
 Neptune -41586-09-10 01:11 J -13467611.68 -13467611.45 -13467611.17 0.0089 0.0042
 Neptune -41584-08-03 18:14 J -13466918.01 -13466917.74 -13466917.44 0.0089 0.0014
 Neptune -41582-06-28 10:18 J -13466224.36 -13466224.07 -13466223.78 0.0089 0.0015
 Neptune -41580-05-22 03:50 J -13465530.58 -13465530.34 -13465530.07 0.0089 0.0044
 Neptune -41578-04-15 22:47 J -13464836.69 -13464836.55 -13464836.35 0.0089 0.0073
 Saturn -41571-04-17 20:38 J -13462277.81 -13462277.64 -13462277.47 0.0278 0.0223

Jupiter -41567-08-14 08:23 J -13460698.31 -13460698.15 -13460697.97 0.0484 0.0368
 Uranus -41559-03-26 19:26 J -13457916.99 -13457916.69 -13457916.39 0.0145 0.0002
 Jupiter -41549-08-02 07:40 J -13454135.46 -13454135.18 -13454134.90 0.0544 0.0143
 Saturn -41541-06-04 16:18 J -13451272.07 -13451271.82 -13451271.56 0.0280 0.0128
 Jupiter -41531-05-17 23:30 J -13447637.78 -13447637.52 -13447637.26 0.0484 0.0019
 Saturn -41527-05-28 06:57 J -13446166.49 -13446166.21 -13446165.92 0.0280 0.0083
 Uranus -41515-07-17 22:04 J -13441732.85 -13441732.58 -13441732.28 0.0134 0.0061
 Neptune -41504-07-13 18:28 J -13437718.93 -13437718.73 -13437718.48 0.0089 0.0067
 Neptune -41502-06-10 02:23 J -13437022.71 -13437022.40 -13437022.07 0.0089 0.0033
 Neptune -41500-05-06 09:21 J -13436326.44 -13436326.11 -13436325.76 0.0089 0.0002
 Neptune -41498-04-02 14:38 J -13435630.19 -13435629.89 -13435629.57 0.0089 0.0035
 Neptune -41496-02-26 17:16 J -13434933.96 -13434933.78 -13434933.53 0.0089 0.0069
 Jupiter -41495-02-18 15:21 J -13434576.98 -13434576.86 -13434576.72 0.0484 0.0414
 Saturn -41483-09-10 20:52 J -13429989.82 -13429989.63 -13429989.43 0.0279 0.0205
 Pluto -41481-01-23 22:33 J -13429489.88 -13429489.56 -13429489.20 0.0080 0.0012
 Uranus -41475-11-20 01:26 J -13426997.63 -13426997.44 -13426997.22 0.0144 0.0105
 Saturn -41453-10-29 20:38 J -13418982.85 -13418982.64 -13418982.42 0.0279 0.0184
 Saturn -41439-10-21 10:33 J -13413878.35 -13413878.06 -13413877.76 0.0280 0.0058
 Uranus -41432-04-09 10:18 J -13411516.26 -13411516.07 -13411515.83 0.0134 0.0099
 Neptune -41424-06-01 00:28 J -13408541.57 -13408541.48 -13408541.34 0.0089 0.0081
 Neptune -41422-04-25 15:21 J -13407848.07 -13407847.86 -13407847.61 0.0089 0.0053
 Neptune -41420-03-19 07:11 J -13407154.47 -13407154.20 -13407153.91 0.0089 0.0024
 Neptune -41418-02-11 00:57 J -13406460.75 -13406460.46 -13406460.17 0.0089 0.0005
 Neptune -41416-01-04 16:47 J -13405767.05 -13405766.80 -13405766.51 0.0089 0.0034
 Neptune -41415-11-29 10:18 J -13405073.25 -13405073.07 -13405072.84 0.0089 0.0063
 Jupiter -41413-11-07 12:57 J -13404364.19 -13404363.96 -13404363.73 0.0485 0.0231
 Jupiter -41395-10-27 00:42 J -13397801.76 -13397801.47 -13397801.18 0.0544 0.0030
 Saturn -41394-02-05 06:28 J -13397700.46 -13397700.23 -13397699.97 0.0279 0.0145
 Uranus -41392-08-12 15:35 J -13396781.07 -13396780.85 -13396780.58 0.0145 0.0083
 Jupiter -41377-08-11 01:11 J -13391303.69 -13391303.45 -13391303.20 0.0484 0.0159

Saturn -41364-03-25 04:33 J -13386694.48 -13386694.31 -13386694.11 0.0279 0.0211
 Saturn -41350-03-16 23:16 J -13381589.83 -13381589.53 -13381589.23 0.0280 0.0019
 Uranus -41348-12-03 09:50 J -13380597.41 -13380597.09 -13380596.77 0.0134 0.0010
 Neptune -41340-02-24 03:35 J -13377957.47 -13377957.35 -13377957.19 0.0089 0.0081
 Neptune -41338-01-21 12:14 J -13377261.26 -13377260.99 -13377260.67 0.0089 0.0047
 Neptune -41337-12-17 20:09 J -13376564.99 -13376564.66 -13376564.32 0.0089 0.0012
 Neptune -41335-11-14 02:38 J -13375868.71 -13375868.39 -13375868.05 0.0089 0.0023
 Neptune -41333-10-10 07:40 J -13375172.42 -13375172.18 -13375171.90 0.0089 0.0057
 Uranus -41307-04-08 00:28 J -13365861.77 -13365861.48 -13365861.18 0.0145 0.0022
 Saturn -41306-07-01 19:54 J -13365411.92 -13365411.67 -13365411.40 0.0279 0.0114
 Jupiter -41276-04-12 20:52 J -13354533.73 -13354533.63 -13354533.53 0.0543 0.0507
 Saturn -41276-08-19 23:59 J -13354404.52 -13354404.50 -13354404.46 0.0279 0.0278
 Uranus -41263-07-29 12:14 J -13349678.24 -13349677.99 -13349677.72 0.0134 0.0079
 Saturn -41262-08-11 07:11 J -13349300.50 -13349300.20 -13349299.90 0.0280 0.0030
 Neptune -41259-12-09 05:59 J -13348084.42 -13348084.25 -13348084.02 0.0089 0.0065
 Jupiter -41258-02-01 07:54 J -13348030.43 -13348030.17 -13348029.92 0.0484 0.0104
 Neptune -41257-11-01 21:06 J -13347390.87 -13347390.62 -13347390.34 0.0089 0.0036
 Neptune -41255-09-26 12:28 J -13346697.27 -13346696.98 -13346696.69 0.0089 0.0006
 Neptune -41253-08-20 05:30 J -13346003.54 -13346003.27 -13346002.98 0.0089 0.0023
 Neptune -41251-07-14 22:18 J -13345309.80 -13345309.57 -13345309.32 0.0089 0.0052
 Neptune -41249-06-07 15:35 J -13344615.95 -13344615.85 -13344615.72 0.0089 0.0081
 Jupiter -41240-01-20 10:04 J -13341467.34 -13341467.08 -13341466.82 0.0544 0.0237
 Pluto -41235-06-15 05:59 J -13339495.57 -13339495.25 -13339494.89 0.0080 0.0013
 Jupiter -41223-11-04 18:28 J -13334969.94 -13334969.73 -13334969.51 0.0484 0.0279
 Uranus -41223-12-02 08:52 J -13334942.26 -13334942.13 -13334941.97 0.0144 0.0127
 Saturn -41218-11-26 16:18 J -13333122.10 -13333121.82 -13333121.53 0.0279 0.0049
 Uranus -41180-04-21 00:14 J -13319461.72 -13319461.49 -13319461.20 0.0134 0.0080
 Neptune -41175-09-03 18:57 J -13317499.93 -13317499.71 -13317499.44 0.0089 0.0061
 Saturn -41173-01-05 05:02 J -13317011.57 -13317011.29 -13317010.99 0.0280 0.0077
 Neptune -41173-07-31 03:35 J -13316803.67 -13316803.35 -13316803.01 0.0089 0.0026

Neptune -41171-06-27 11:02 J -13316107.37 -13316107.04 -13316106.69 0.0089 0.0009
 Neptune -41169-05-23 17:16 J -13315411.06 -13315410.78 -13315410.47 0.0089 0.0044
 Neptune -41167-04-19 21:35 J -13314714.71 -13314714.60 -13314714.40 0.0089 0.0079
 Jupiter -41140-07-24 11:30 J -13304757.17 -13304757.02 -13304756.84 0.0485 0.0372
 Uranus -41140-08-25 02:52 J -13304725.64 -13304725.38 -13304725.10 0.0145 0.0059
 Saturn -41129-04-21 14:38 J -13300833.17 -13300832.89 -13300832.60 0.0279 0.0007
 Jupiter -41122-07-07 20:52 J -13298199.85 -13298199.63 -13298199.38 0.0544 0.0321
 Saturn -41115-04-11 09:35 J -13295730.14 -13295730.10 -13295730.01 0.0280 0.0274
 Jupiter -41104-04-26 19:40 J -13291696.94 -13291696.68 -13291696.42 0.0485 0.0007
 Uranus -41096-12-15 05:30 J -13288542.59 -13288542.27 -13288541.95 0.0134 0.0011
 Neptune -41095-07-24 17:59 J -13288320.87 -13288320.75 -13288320.58 0.0089 0.0077
 Neptune -41093-06-17 09:35 J -13287627.33 -13287627.10 -13287626.84 0.0089 0.0048
 Neptune -41091-05-12 00:57 J -13286933.73 -13286933.46 -13286933.16 0.0089 0.0019
 Neptune -41089-04-04 16:33 J -13286240.08 -13286239.81 -13286239.51 0.0089 0.0012
 Neptune -41087-02-27 09:35 J -13285546.35 -13285546.10 -13285545.83 0.0089 0.0041
 Jupiter -41086-04-15 09:21 J -13285134.32 -13285134.11 -13285133.90 0.0544 0.0372
 Neptune -41085-01-22 03:06 J -13284852.52 -13284852.37 -13284852.16 0.0089 0.0071
 Saturn -41085-06-01 07:40 J -13284721.43 -13284721.18 -13284720.92 0.0280 0.0145
 Jupiter -41068-01-28 06:28 J -13278636.38 -13278636.23 -13278636.07 0.0484 0.0384
 Uranus -41055-04-20 12:28 J -13273806.24 -13273805.98 -13273805.68 0.0145 0.0046
 Saturn -41041-09-16 01:54 J -13268543.70 -13268543.42 -13268543.13 0.0279 0.0047
 Saturn -41027-09-06 11:16 J -13263440.22 -13263440.03 -13263439.82 0.0280 0.0205
 Neptune -41011-04-17 00:57 J -13257738.61 -13257738.46 -13257738.25 0.0089 0.0076
 Uranus -41011-08-10 08:23 J -13257623.36 -13257623.15 -13257622.94 0.0134 0.0100
 Neptune -41009-03-13 09:21 J -13257042.39 -13257042.11 -13257041.78 0.0089 0.0041
 Neptune -41007-02-07 17:59 J -13256346.09 -13256345.75 -13256345.41 0.0089 0.0005
 Neptune -41005-01-05 00:42 J -13255649.77 -13255649.47 -13255649.13 0.0089 0.0031
 Neptune -41004-12-01 06:14 J -13254953.44 -13254953.24 -13254952.99 0.0089 0.0066

41ST MILLENNIUM BCE

This is a list of transits of Mars in the 41st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-40997-10-26 00:42 J	-13252432.68	-13252432.47	-13252432.23	0.0280	0.0188		
Pluto	-40989-11-04 04:33 J	-13249501.65	-13249501.31	-13249500.96	0.0080	0.0006		
Jupiter	-40986-10-18 00:42 J	-13248423.68	-13248423.47	-13248423.25	0.0485	0.0265		
Uranus	-40972-01-11 08:52 J	-13243589.20	-13243589.13	-13243589.04	0.0145	0.0140		
Jupiter	-40968-09-29 23:02 J	-13241866.81	-13241866.54	-13241866.26	0.0544	0.0182		
Saturn	-40952-02-09 22:33 J	-13236254.83	-13236254.56	-13236254.29	0.0279	0.0092		
Jupiter	-40950-07-21 12:14 J	-13235363.24	-13235362.99	-13235362.74	0.0484	0.0117		
Saturn	-40938-01-31 00:28 J	-13231151.71	-13231151.48	-13231151.23	0.0280	0.0168		
Neptune	-40929-01-31 21:50 J	-13227863.80	-13227863.59	-13227863.38	0.0089	0.0060		
Uranus	-40928-05-02 23:59 J	-13227406.79	-13227406.50	-13227406.21	0.0133	0.0056		
Neptune	-40928-12-25 12:42 J	-13227170.23	-13227169.97	-13227169.68	0.0089	0.0031		
Neptune	-40926-11-19 04:33 J	-13226476.60	-13226476.31	-13226476.02	0.0089	0.0001		
Neptune	-40924-10-12 19:40 J	-13225782.95	-13225782.68	-13225782.40	0.0089	0.0029		
Neptune	-40922-09-06 11:45 J	-13225089.22	-13225089.01	-13225088.78	0.0089	0.0059		
Neptune	-40920-07-31 06:14 J	-13224395.24	-13224395.24	-13224395.22	0.0089	0.0089		
Saturn	-40908-03-22 18:14 J	-13220142.85	-13220142.74	-13220142.60	0.0280	0.0253		
Saturn	-40894-05-19 00:14 J	-13214972.62	-13214972.49	-13214972.35	0.0278	0.0245		
Uranus	-40888-09-06 17:45 J	-13212670.04	-13212669.76	-13212669.46	0.0145	0.0035		
Saturn	-40864-07-06 11:30 J	-13203966.26	-13203966.02	-13203965.75	0.0279	0.0125		
Saturn	-40850-06-27 09:35 J	-13198862.37	-13198862.10	-13198861.83	0.0281	0.0111		

Neptune -40846-10-25 12:57 J -13197281.21 -13197280.96 -13197280.68 0.0089 0.0056
 Neptune -40844-09-20 21:21 J -13196584.94 -13196584.61 -13196584.27 0.0089 0.0020
 Uranus -40844-12-27 03:50 J -13196487.65 -13196487.34 -13196487.03 0.0134 0.0035
 Neptune -40842-08-18 05:02 J -13195888.62 -13195888.29 -13195887.95 0.0089 0.0016
 Neptune -40840-07-14 11:45 J -13195192.26 -13195192.01 -13195191.70 0.0089 0.0052
 Neptune -40838-06-10 17:30 J -13194495.81 -13194495.77 -13194495.67 0.0089 0.0087
 Jupiter -40831-01-11 01:54 J -13192089.67 -13192089.42 -13192089.17 0.0485 0.0136
 Saturn -40820-08-15 19:26 J -13187854.70 -13187854.69 -13187854.65 0.0280 0.0279
 Jupiter -40814-12-25 18:42 J -13185532.01 -13185531.72 -13185531.43 0.0544 0.0042
 Saturn -40806-10-12 06:42 J -13182684.37 -13182684.22 -13182684.02 0.0278 0.0222
 Uranus -40803-05-03 03:21 J -13181750.60 -13181750.36 -13181750.09 0.0145 0.0072
 Jupiter -40796-10-14 13:11 J -13179029.17 -13179028.95 -13179028.72 0.0484 0.0243
 Saturn -40776-11-30 05:45 J -13171677.48 -13171677.26 -13171677.02 0.0278 0.0170
 Neptune -40766-09-16 09:21 J -13168100.24 -13168100.11 -13168099.92 0.0089 0.0074
 Neptune -40764-08-09 23:30 J -13167406.76 -13167406.52 -13167406.25 0.0089 0.0044
 Neptune -40762-07-04 14:38 J -13166713.17 -13166712.89 -13166712.60 0.0089 0.0014
 Saturn -40762-11-20 06:14 J -13166574.51 -13166574.24 -13166573.95 0.0281 0.0092
 Uranus -40761-09-18 19:11 J -13166270.81 -13166270.70 -13166270.54 0.0133 0.0120
 Neptune -40760-05-28 06:14 J -13166019.51 -13166019.24 -13166018.94 0.0089 0.0017
 Uranus -40759-08-22 09:50 J -13165568.16 -13165568.09 -13165567.96 0.0134 0.0127
 Neptune -40758-04-21 22:18 J -13165325.81 -13165325.57 -13165325.32 0.0089 0.0047
 Neptune -40756-03-15 13:54 J -13164632.03 -13164631.92 -13164631.75 0.0089 0.0078
 Pluto -40742-03-26 19:54 J -13159507.99 -13159507.67 -13159507.31 0.0080 0.0014
 Uranus -40720-01-24 02:23 J -13151533.58 -13151533.40 -13151533.20 0.0145 0.0112
 Saturn -40717-03-07 03:21 J -13150395.58 -13150395.36 -13150395.12 0.0277 0.0170
 Jupiter -40713-07-03 20:38 J -13148815.79 -13148815.64 -13148815.47 0.0485 0.0379
 Jupiter -40695-06-11 19:54 J -13142263.79 -13142263.67 -13142263.53 0.0543 0.0486
 Saturn -40687-04-25 05:45 J -13139389.46 -13139389.26 -13139389.04 0.0278 0.0189
 Neptune -40682-06-07 12:57 J -13137520.11 -13137519.96 -13137519.72 0.0089 0.0073
 Neptune -40680-05-03 23:02 J -13136823.84 -13136823.54 -13136823.21 0.0089 0.0036

Neptune -40678-03-31 07:11 J -13136127.54 -13136127.20 -13136126.85 0.0089 0.0001
 Jupiter -40677-04-06 08:23 J -13135755.41 -13135755.15 -13135754.89 0.0485 0.0003
 Neptune -40676-02-24 14:09 J -13135431.20 -13135430.91 -13135430.58 0.0089 0.0037
 Uranus -40676-05-15 02:23 J -13135351.71 -13135351.40 -13135351.08 0.0133 0.0028
 Neptune -40674-01-21 20:38 J -13134734.80 -13134734.64 -13134734.41 0.0089 0.0073
 Saturn -40673-04-14 17:45 J -13134286.05 -13134285.76 -13134285.47 0.0281 0.0054
 Jupiter -40659-03-20 17:02 J -13129198.05 -13129197.79 -13129197.51 0.0544 0.0219
 Jupiter -40641-01-08 21:50 J -13122694.74 -13122694.59 -13122694.43 0.0484 0.0388
 Uranus -40636-09-19 12:57 J -13120614.26 -13120613.96 -13120613.67 0.0145 0.0005
 Saturn -40629-07-31 01:40 J -13118107.66 -13118107.43 -13118107.18 0.0278 0.0154
 Neptune -40602-05-01 18:28 J -13108336.77 -13108336.73 -13108336.66 0.0089 0.0087
 Neptune -40600-03-25 10:33 J -13107643.27 -13107643.06 -13107642.83 0.0089 0.0057
 Saturn -40599-09-19 06:14 J -13107100.37 -13107100.24 -13107100.09 0.0278 0.0242
 Neptune -40598-02-17 00:57 J -13106949.73 -13106949.46 -13106949.18 0.0089 0.0027
 Neptune -40596-01-10 15:35 J -13106256.14 -13106255.85 -13106255.56 0.0089 0.0004
 Neptune -40595-12-05 07:11 J -13105562.45 -13105562.20 -13105561.91 0.0089 0.0035
 Neptune -40593-10-28 23:16 J -13104868.71 -13104868.53 -13104868.32 0.0089 0.0065
 Uranus -40591-01-08 11:30 J -13104432.28 -13104432.02 -13104431.72 0.0134 0.0066
 Saturn -40585-09-07 15:21 J -13101998.15 -13101997.86 -13101997.56 0.0281 0.0036
 Jupiter -40559-09-28 03:50 J -13092481.56 -13092481.34 -13092481.12 0.0485 0.0241
 Uranus -40551-05-16 01:26 J -13089694.63 -13089694.44 -13089694.21 0.0145 0.0102
 Jupiter -40541-09-04 18:14 J -13085929.98 -13085929.74 -13085929.49 0.0543 0.0303
 Saturn -40541-12-25 06:14 J -13085818.51 -13085818.24 -13085817.97 0.0277 0.0097
 Jupiter -40523-07-01 14:52 J -13079421.12 -13079420.88 -13079420.63 0.0484 0.0144
 Neptune -40517-12-14 21:21 J -13077062.86 -13077062.61 -13077062.31 0.0089 0.0053
 Neptune -40515-11-11 07:11 J -13076366.53 -13076366.20 -13076365.86 0.0089 0.0016
 Neptune -40513-10-07 15:35 J -13075670.19 -13075669.85 -13075669.52 0.0089 0.0021
 Neptune -40511-09-03 21:50 J -13074973.82 -13074973.59 -13074973.30 0.0089 0.0058
 Saturn -40510-02-12 08:23 J -13074812.23 -13074812.15 -13074812.06 0.0278 0.0263
 Uranus -40509-10-01 04:18 J -13074215.56 -13074215.32 -13074215.08 0.0133 0.0089

Jupiter -40505-06-14 18:57 J -13072862.86 -13072862.71 -13072862.54 0.0544 0.0457
 Saturn -40496-01-31 22:18 J -13069709.86 -13069709.57 -13069709.27 0.0281 0.0004
 Pluto -40496-08-14 21:50 J -13069514.74 -13069514.59 -13069514.34 0.0080 0.0067
 Uranus -40468-02-05 23:59 J -13059477.74 -13059477.50 -13059477.26 0.0146 0.0083
 Saturn -40452-05-20 12:28 J -13053530.26 -13053529.98 -13053529.70 0.0277 0.0073
 Neptune -40437-11-07 19:26 J -13047879.85 -13047879.69 -13047879.50 0.0089 0.0071
 Neptune -40435-10-02 10:18 J -13047186.30 -13047186.07 -13047185.79 0.0089 0.0041
 Neptune -40433-08-26 01:40 J -13046492.72 -13046492.43 -13046492.14 0.0089 0.0010
 Neptune -40431-07-20 15:21 J -13045799.12 -13045798.86 -13045798.56 0.0089 0.0022
 Neptune -40429-06-13 07:40 J -13045105.42 -13045105.18 -13045104.95 0.0089 0.0052
 Neptune -40427-05-07 23:45 J -13044411.59 -13044411.51 -13044411.39 0.0089 0.0083
 Uranus -40424-05-27 15:50 J -13043296.16 -13043295.84 -13043295.51 0.0133 0.0005
 Saturn -40408-06-27 19:54 J -13037420.96 -13037420.67 -13037420.37 0.0281 0.0036
 Jupiter -40405-12-22 04:47 J -13036147.55 -13036147.30 -13036147.04 0.0485 0.0108
 Jupiter -40387-11-30 12:14 J -13029595.28 -13029594.99 -13029594.70 0.0543 0.0079
 Uranus -40384-10-02 11:45 J -13028558.30 -13028558.01 -13028557.72 0.0145 0.0025
 Jupiter -40369-09-24 13:11 J -13023087.16 -13023086.95 -13023086.73 0.0485 0.0269
 Saturn -40364-10-15 04:47 J -13021240.59 -13021240.30 -13021240.01 0.0278 0.0011
 Neptune -40353-07-27 17:59 J -13017301.95 -13017301.75 -13017301.53 0.0089 0.0070
 Neptune -40351-06-24 03:21 J -13016605.66 -13016605.36 -13016605.02 0.0089 0.0033
 Neptune -40349-05-20 12:57 J -13015909.30 -13015908.96 -13015908.61 0.0089 0.0005
 Neptune -40347-04-16 20:52 J -13015212.92 -13015212.63 -13015212.32 0.0089 0.0042
 Neptune -40345-03-13 03:21 J -13014516.48 -13014516.36 -13014516.17 0.0089 0.0079
 Uranus -40339-01-21 01:26 J -13012376.66 -13012376.44 -13012376.23 0.0133 0.0099
 Pluto -40337-07-17 22:18 J -13011467.75 -13011467.57 -13011467.33 0.0064 0.0046
 Saturn -40320-11-21 12:42 J -13005132.25 -13005131.97 -13005131.68 0.0281 0.0078
 Uranus -40299-05-28 21:35 J -12997638.70 -12997638.60 -12997638.46 0.0145 0.0132
 Jupiter -40286-06-14 13:54 J -12992874.09 -12992873.92 -12992873.75 0.0486 0.0367
 Saturn -40275-03-10 23:45 J -12988951.79 -12988951.51 -12988951.21 0.0277 0.0031
 Neptune -40273-06-23 04:04 J -12988116.37 -12988116.33 -12988116.22 0.0089 0.0086

Neptune -40271-05-17 18:14 J -12987422.95 -12987422.74 -12987422.49 0.0089 0.0055
 Neptune -40269-04-10 09:21 J -12986729.38 -12986729.11 -12986728.82 0.0089 0.0024
 Neptune -40267-03-05 01:40 J -12986035.72 -12986035.43 -12986035.14 0.0089 0.0008
 Neptune -40265-01-27 15:50 J -12985342.09 -12985341.84 -12985341.57 0.0089 0.0039
 Neptune -40264-12-21 07:26 J -12984648.36 -12984648.19 -12984648.00 0.0089 0.0070
 Saturn -40261-02-26 23:59 J -12983850.51 -12983850.50 -12983850.46 0.0282 0.0280
 Uranus -40257-10-13 18:57 J -12982159.98 -12982159.71 -12982159.39 0.0133 0.0054
 Jupiter -40250-03-17 19:26 J -12979813.95 -12979813.69 -12979813.43 0.0486 0.0003
 Jupiter -40232-02-22 14:09 J -12973262.20 -12973261.91 -12973261.62 0.0543 0.0061
 Saturn -40231-04-18 11:16 J -12972842.27 -12972842.03 -12972841.77 0.0281 0.0143
 Uranus -40216-02-18 23:30 J -12967421.78 -12967421.52 -12967421.24 0.0146 0.0051
 Jupiter -40215-12-19 02:52 J -12966753.53 -12966753.38 -12966753.20 0.0484 0.0376
 Neptune -40189-03-09 13:54 J -12957540.94 -12957540.92 -12957540.87 0.0088 0.0088
 Neptune -40187-02-03 23:30 J -12956844.78 -12956844.52 -12956844.21 0.0089 0.0051
 Saturn -40187-08-05 15:21 J -12956662.13 -12956661.86 -12956661.57 0.0278 0.0089
 Neptune -40185-01-01 09:21 J -12956148.45 -12956148.11 -12956147.77 0.0089 0.0013
 Neptune -40184-11-27 17:59 J -12955452.06 -12955451.75 -12955451.40 0.0089 0.0026
 Neptune -40182-10-25 02:09 J -12954755.63 -12954755.41 -12954755.15 0.0089 0.0063
 Saturn -40173-07-24 01:11 J -12951560.63 -12951560.45 -12951560.24 0.0282 0.0212
 Uranus -40172-06-09 06:57 J -12951240.51 -12951240.21 -12951239.89 0.0133 0.0041
 Saturn -40143-09-12 08:09 J -12940553.38 -12940553.16 -12940552.94 0.0281 0.0188
 Jupiter -40132-09-07 00:57 J -12936540.67 -12936540.46 -12936540.24 0.0486 0.0267
 Uranus -40132-10-15 09:35 J -12936502.36 -12936502.10 -12936501.82 0.0145 0.0056
 Saturn -40129-11-10 13:40 J -12935380.03 -12935379.93 -12935379.81 0.0278 0.0257
 Jupiter -40114-08-09 16:33 J -12929994.91 -12929994.81 -12929994.71 0.0542 0.0505
 Neptune -40108-12-31 04:18 J -12927659.49 -12927659.32 -12927659.13 0.0089 0.0069
 Neptune -40106-11-24 17:59 J -12926965.99 -12926965.75 -12926965.47 0.0089 0.0038
 Neptune -40104-10-18 08:38 J -12926272.43 -12926272.14 -12926271.85 0.0089 0.0006
 Neptune -40102-09-12 00:14 J -12925578.76 -12925578.49 -12925578.20 0.0089 0.0026
 Neptune -40100-08-05 14:38 J -12924885.10 -12924884.89 -12924884.66 0.0089 0.0057

Saturn -40099-12-30 16:33 J -12924373.05 -12924372.81 -12924372.55 0.0277 0.0139
 Neptune -40098-06-30 05:30 J -12924191.27 -12924191.27 -12924191.22 0.0089 0.0088
 Jupiter -40096-06-10 09:35 J -12923480.35 -12923480.10 -12923479.85 0.0485 0.0108
 Pluto -40091-12-07 23:02 J -12921473.82 -12921473.54 -12921473.24 0.0064 0.0007
 Uranus -40089-03-01 23:59 J -12921023.66 -12921023.50 -12921023.30 0.0133 0.0111
 Saturn -40085-12-17 19:40 J -12919271.90 -12919271.68 -12919271.44 0.0282 0.0171
 Jupiter -40078-05-19 16:04 J -12916928.09 -12916927.83 -12916927.56 0.0543 0.0249
 Jupiter -40060-03-13 16:47 J -12910419.83 -12910419.80 -12910419.75 0.0485 0.0479
 Saturn -40054-02-07 07:40 J -12908263.28 -12908263.18 -12908263.06 0.0281 0.0260
 Uranus -40049-07-08 12:28 J -12906285.12 -12906284.98 -12906284.83 0.0146 0.0126
 Saturn -40040-04-06 15:35 J -12903091.04 -12903090.85 -12903090.64 0.0277 0.0202
 Neptune -40024-09-16 17:59 J -12897083.93 -12897083.75 -12897083.50 0.0088 0.0069
 Neptune -40022-08-14 03:50 J -12896387.64 -12896387.34 -12896386.99 0.0089 0.0031
 Neptune -40020-07-10 13:26 J -12895691.28 -12895690.94 -12895690.59 0.0089 0.0008
 Neptune -40018-06-06 22:18 J -12894994.85 -12894994.57 -12894994.26 0.0089 0.0046
 Neptune -40016-05-03 06:14 J -12894298.32 -12894298.24 -12894298.10 0.0089 0.0084
 Saturn -40010-05-26 14:38 J -12892084.10 -12892083.89 -12892083.66 0.0278 0.0181
 Uranus -40005-10-26 13:26 J -12890104.26 -12890103.94 -12890103.61 0.0133 0.0016

40TH MILLENNIUM BCE

This is a list of transits of Mars in the 40th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn -39996-05-14 12:57 J -12886982.22 -12886981.96 -12886981.68 0.0282 0.0105								

Jupiter -39978-12-01 21:21 J -12880206.85 -12880206.61 -12880206.36 0.0486 0.0151
 Uranus -39964-03-03 21:35 J -12875365.88 -12875365.60 -12875365.30 0.0146 0.0022
 Jupiter -39960-11-03 04:04 J -12873660.57 -12873660.33 -12873660.07 0.0542 0.0299
 Saturn -39952-08-31 05:30 J -12870802.49 -12870802.27 -12870802.02 0.0277 0.0170
 Neptune -39944-08-15 11:16 J -12867896.10 -12867896.03 -12867895.92 0.0089 0.0084
 Neptune -39942-07-10 02:09 J -12867202.61 -12867202.41 -12867202.15 0.0089 0.0053
 Jupiter -39942-09-04 04:33 J -12867146.54 -12867146.31 -12867146.08 0.0485 0.0219
 Neptune -39940-06-02 16:47 J -12866509.06 -12866508.80 -12866508.50 0.0089 0.0021
 Neptune -39938-04-27 07:11 J -12865815.48 -12865815.20 -12865814.90 0.0089 0.0012
 Neptune -39936-03-20 23:02 J -12865121.77 -12865121.54 -12865121.27 0.0089 0.0044
 Neptune -39934-02-12 14:09 J -12864428.02 -12864427.91 -12864427.72 0.0089 0.0076
 Jupiter -39924-08-12 03:50 J -12860594.54 -12860594.34 -12860594.14 0.0544 0.0399
 Saturn -39922-10-20 12:42 J -12859795.12 -12859794.97 -12859794.80 0.0277 0.0232
 Uranus -39920-06-22 01:11 J -12859184.69 -12859184.45 -12859184.17 0.0133 0.0078
 Saturn -39908-10-07 16:47 J -12854694.08 -12854693.80 -12854693.51 0.0282 0.0079
 Uranus -39880-10-28 09:06 J -12844446.34 -12844446.12 -12844445.87 0.0145 0.0087
 Saturn -39863-01-25 03:35 J -12838513.60 -12838513.35 -12838513.07 0.0276 0.0116
 Neptune -39860-04-29 14:38 J -12837322.92 -12837322.89 -12837322.77 0.0088 0.0087
 Jupiter -39859-05-24 14:52 J -12836933.02 -12836932.88 -12836932.72 0.0486 0.0397
 Neptune -39858-03-26 23:45 J -12836626.77 -12836626.51 -12836626.19 0.0089 0.0049
 Neptune -39856-02-20 09:35 J -12835930.43 -12835930.10 -12835929.75 0.0089 0.0010
 Neptune -39854-01-17 18:42 J -12835234.04 -12835233.72 -12835233.39 0.0089 0.0029
 Neptune -39853-12-14 02:38 J -12834537.58 -12834537.39 -12834537.13 0.0089 0.0068
 Uranus -39837-03-14 17:59 J -12828968.00 -12828967.75 -12828967.47 0.0133 0.0075
 Saturn -39833-03-14 15:21 J -12827506.97 -12827506.86 -12827506.75 0.0277 0.0256
 Jupiter -39823-02-24 23:16 J -12823872.79 -12823872.53 -12823872.27 0.0486 0.0026
 Saturn -39819-03-03 11:02 J -12822405.33 -12822405.04 -12822404.75 0.0282 0.0033
 Jupiter -39805-01-27 22:04 J -12817326.86 -12817326.58 -12817326.29 0.0543 0.0132
 Uranus -39797-07-21 07:54 J -12814229.36 -12814229.17 -12814228.94 0.0146 0.0100
 Jupiter -39788-11-28 10:47 J -12810812.22 -12810812.05 -12810811.87 0.0485 0.0357

Neptune -39778-02-22 10:18 J -12807439.25 -12807439.07 -12807438.88 0.0089 0.0067
 Neptune -39776-01-16 01:26 J -12806745.69 -12806745.44 -12806745.16 0.0089 0.0035
 Saturn -39775-06-20 02:38 J -12806225.66 -12806225.39 -12806225.11 0.0277 0.0096
 Neptune -39775-12-10 16:18 J -12806052.11 -12806051.82 -12806051.53 0.0089 0.0003
 Neptune -39773-11-03 06:14 J -12805358.50 -12805358.24 -12805357.96 0.0089 0.0030
 Neptune -39771-09-27 21:21 J -12804664.80 -12804664.61 -12804664.39 0.0089 0.0062
 Pluto -39755-09-04 14:23 J -12798844.19 -12798843.90 -12798843.59 0.0080 0.0040
 Uranus -39753-11-08 04:33 J -12798048.62 -12798048.31 -12798047.97 0.0133 0.0019
 Saturn -39731-07-27 08:09 J -12790117.45 -12790117.16 -12790116.86 0.0282 0.0017
 Uranus -39712-03-16 18:57 J -12783310.00 -12783309.71 -12783309.41 0.0146 0.0008
 Jupiter -39705-08-17 20:38 J -12780598.86 -12780598.64 -12780598.43 0.0487 0.0264
 Neptune -39695-11-06 21:21 J -12776865.80 -12776865.61 -12776865.34 0.0088 0.0067
 Neptune -39693-10-03 06:42 J -12776169.53 -12776169.22 -12776168.88 0.0089 0.0028
 Neptune -39691-08-30 15:50 J -12775473.17 -12775472.84 -12775472.48 0.0089 0.0012
 Neptune -39689-07-27 00:42 J -12774776.73 -12774776.47 -12774776.17 0.0089 0.0051
 Saturn -39687-11-14 03:21 J -12773936.64 -12773936.36 -12773936.06 0.0276 0.0042
 Jupiter -39669-05-21 07:26 J -12767538.44 -12767538.19 -12767537.94 0.0485 0.0119
 Uranus -39668-07-04 14:38 J -12767129.03 -12767128.89 -12767128.68 0.0133 0.0113
 Jupiter -39651-04-24 02:09 J -12760991.69 -12760991.41 -12760991.11 0.0543 0.0112
 Saturn -39643-12-20 11:59 J -12757829.30 -12757829.00 -12757828.71 0.0282 0.0014
 Uranus -39628-11-10 01:40 J -12752390.59 -12752390.43 -12752390.22 0.0146 0.0113
 Neptune -39615-10-07 18:57 J -12747675.78 -12747675.71 -12747675.58 0.0089 0.0083
 Neptune -39613-08-31 09:21 J -12746982.33 -12746982.11 -12746981.85 0.0089 0.0050
 Neptune -39611-07-26 00:57 J -12746288.74 -12746288.46 -12746288.18 0.0089 0.0017
 Neptune -39609-06-18 15:35 J -12745595.12 -12745594.85 -12745594.55 0.0089 0.0016
 Neptune -39607-05-13 05:45 J -12744901.47 -12744901.26 -12744900.99 0.0089 0.0049
 Neptune -39605-04-05 21:06 J -12744207.71 -12744207.62 -12744207.48 0.0089 0.0081
 Saturn -39598-04-09 03:50 J -12741648.63 -12741648.34 -12741648.04 0.0276 0.0021
 Pluto -39596-08-08 11:30 J -12740796.21 -12740796.02 -12740795.76 0.0064 0.0042
 Uranus -39585-03-27 04:18 J -12736912.61 -12736912.32 -12736911.99 0.0133 0.0042

Saturn -39554-05-15 23:02 J -12725540.82 -12725540.54 -12725540.24 0.0283 0.0042
 Jupiter -39551-11-12 01:40 J -12724264.67 -12724264.43 -12724264.18 0.0486 0.0124
 Uranus -39545-08-03 03:35 J -12722173.59 -12722173.35 -12722173.08 0.0146 0.0072
 Jupiter -39533-10-08 17:16 J -12717723.96 -12717723.78 -12717723.58 0.0541 0.0417
 Neptune -39531-06-19 20:52 J -12717104.69 -12717104.63 -12717104.49 0.0088 0.0085
 Neptune -39529-05-16 06:14 J -12716408.51 -12716408.24 -12716407.92 0.0088 0.0046
 Neptune -39527-04-12 15:21 J -12715712.20 -12715711.86 -12715711.51 0.0089 0.0006
 Neptune -39525-03-08 23:30 J -12715015.81 -12715015.52 -12715015.18 0.0089 0.0034
 Neptune -39523-02-03 08:23 J -12714319.31 -12714319.15 -12714318.93 0.0089 0.0073
 Jupiter -39515-08-15 08:38 J -12711204.36 -12711204.14 -12711203.91 0.0486 0.0249
 Saturn -39510-09-03 14:52 J -12709359.16 -12709358.88 -12709358.58 0.0276 0.0039
 Uranus -39501-11-20 14:52 J -12705993.17 -12705992.88 -12705992.57 0.0133 0.0051
 Jupiter -39497-07-17 20:09 J -12704657.91 -12704657.66 -12704657.41 0.0543 0.0286
 Saturn -39466-10-09 08:09 J -12693252.44 -12693252.16 -12693251.88 0.0282 0.0075
 Uranus -39460-03-29 10:33 J -12691254.34 -12691254.06 -12691253.77 0.0146 0.0031
 Neptune -39449-04-15 19:11 J -12687218.89 -12687218.70 -12687218.50 0.0089 0.0065
 Neptune -39447-03-10 10:04 J -12686525.35 -12686525.08 -12686524.81 0.0089 0.0032
 Neptune -39445-02-02 01:11 J -12685831.74 -12685831.45 -12685831.16 0.0089 0.0001
 Neptune -39444-12-26 16:33 J -12685138.07 -12685137.81 -12685137.54 0.0089 0.0034
 Neptune -39442-11-20 07:11 J -12684444.37 -12684444.20 -12684444.00 0.0089 0.0067
 Jupiter -39432-05-04 15:06 J -12680991.02 -12680990.87 -12680990.70 0.0487 0.0377
 Saturn -39421-01-28 04:18 J -12677070.60 -12677070.32 -12677070.03 0.0276 0.0074
 Uranus -39418-08-14 01:54 J -12675776.62 -12675776.42 -12675776.22 0.0133 0.0104
 Jupiter -39396-02-04 19:40 J -12667930.94 -12667930.68 -12667930.43 0.0487 0.0011
 Jupiter -39378-01-02 00:57 J -12661390.72 -12661390.46 -12661390.20 0.0541 0.0265
 Saturn -39377-03-04 22:04 J -12660962.82 -12660962.58 -12660962.31 0.0282 0.0133
 Uranus -39376-11-22 17:16 J -12660334.86 -12660334.78 -12660334.66 0.0145 0.0136
 Neptune -39366-12-28 08:23 J -12656647.36 -12656647.15 -12656646.88 0.0088 0.0064
 Neptune -39364-11-23 17:59 J -12655951.06 -12655950.75 -12655950.40 0.0088 0.0024
 Saturn -39363-05-04 21:50 J -12655788.59 -12655788.59 -12655788.57 0.0276 0.0276

Neptune -39362-10-21 02:38 J -12655254.71 -12655254.39 -12655254.04 0.0089 0.0017
 Jupiter -39361-11-08 01:54 J -12654870.58 -12654870.42 -12654870.24 0.0485 0.0360
 Neptune -39360-09-16 11:16 J -12654558.29 -12654558.03 -12654557.76 0.0089 0.0056
 Pluto -39350-12-28 14:09 J -12650802.98 -12650802.91 -12650802.82 0.0064 0.0061
 Jupiter -39343-10-11 21:21 J -12648323.74 -12648323.61 -12648323.46 0.0542 0.0474
 Uranus -39333-04-08 11:45 J -12644857.33 -12644857.01 -12644856.68 0.0133 0.0013
 Saturn -39333-06-23 19:26 J -12644780.94 -12644780.69 -12644780.42 0.0277 0.0134
 Saturn -39319-06-10 18:42 J -12639680.87 -12639680.72 -12639680.54 0.0283 0.0230
 Uranus -39293-08-15 15:50 J -12630118.10 -12630117.84 -12630117.56 0.0146 0.0052
 Saturn -39289-07-29 18:14 J -12628673.95 -12628673.74 -12628673.50 0.0282 0.0177
 Neptune -39286-11-30 04:04 J -12627455.42 -12627455.33 -12627455.18 0.0089 0.0081
 Neptune -39284-10-23 21:06 J -12626761.86 -12626761.62 -12626761.37 0.0089 0.0047
 Neptune -39282-09-17 11:45 J -12626068.29 -12626068.01 -12626067.72 0.0089 0.0014
 Neptune -39280-08-11 02:09 J -12625374.68 -12625374.41 -12625374.11 0.0089 0.0020
 Neptune -39278-07-05 17:59 J -12624680.98 -12624680.75 -12624680.52 0.0089 0.0053
 Jupiter -39278-07-29 02:23 J -12624657.60 -12624657.40 -12624657.18 0.0488 0.0277
 Neptune -39276-05-29 08:23 J -12623987.18 -12623987.15 -12623987.05 0.0089 0.0087
 Saturn -39275-09-29 10:33 J -12623499.23 -12623499.06 -12623498.87 0.0277 0.0221
 Pluto -39260-05-04 00:57 J -12618168.55 -12618168.46 -12618168.29 0.0080 0.0074
 Uranus -39249-12-02 19:26 J -12613937.93 -12613937.69 -12613937.41 0.0133 0.0079
 Saturn -39245-11-17 21:06 J -12612491.83 -12612491.62 -12612491.39 0.0276 0.0186
 Jupiter -39242-05-01 10:18 J -12611597.32 -12611597.07 -12611596.82 0.0486 0.0095
 Saturn -39231-11-04 15:50 J -12607392.05 -12607391.84 -12607391.62 0.0282 0.0187
 Jupiter -39224-03-28 01:40 J -12605056.72 -12605056.43 -12605056.13 0.0541 0.0081
 Uranus -39208-04-10 22:18 J -12599198.83 -12599198.57 -12599198.29 0.0146 0.0052
 Jupiter -39206-02-01 14:23 J -12598536.98 -12598536.90 -12598536.82 0.0486 0.0457
 Neptune -39202-08-10 12:42 J -12596886.07 -12596885.97 -12596885.80 0.0088 0.0082
 Saturn -39201-12-24 20:52 J -12596383.76 -12596383.63 -12596383.50 0.0282 0.0253
 Neptune -39200-07-06 21:35 J -12596189.88 -12596189.60 -12596189.27 0.0088 0.0042
 Neptune -39198-06-03 07:26 J -12595493.54 -12595493.19 -12595492.85 0.0088 0.0001

Neptune -39196-04-29 15:35 J -12594797.13 -12594796.85 -12594796.52 0.0089 0.0040
 Neptune -39194-03-26 23:30 J -12594100.63 -12594100.52 -12594100.33 0.0089 0.0080
 Saturn -39186-02-23 14:38 J -12591210.11 -12591209.89 -12591209.63 0.0276 0.0163
 Uranus -39166-08-26 03:06 J -12583721.63 -12583721.37 -12583721.10 0.0133 0.0078
 Saturn -39156-04-14 01:40 J -12580202.56 -12580202.43 -12580202.26 0.0277 0.0236
 Saturn -39142-04-01 16:04 J -12575102.09 -12575101.83 -12575101.56 0.0283 0.0113
 Uranus -39125-01-02 22:18 J -12568981.67 -12568981.57 -12568981.44 0.0146 0.0134
 Jupiter -39124-10-21 20:09 J -12568323.90 -12568323.66 -12568323.42 0.0487 0.0168
 Neptune -39120-06-08 06:42 J -12566998.40 -12566998.22 -12566997.99 0.0089 0.0063
 Neptune -39118-05-02 23:02 J -12566304.79 -12566304.54 -12566304.25 0.0089 0.0029
 Neptune -39116-03-26 15:35 J -12565611.14 -12565610.85 -12565610.56 0.0089 0.0005
 Neptune -39114-02-18 05:59 J -12564917.50 -12564917.25 -12564916.98 0.0089 0.0039
 Neptune -39112-01-11 21:21 J -12564223.75 -12564223.61 -12564223.42 0.0089 0.0073
 Pluto -39101-04-08 04:33 J -12560119.51 -12560119.31 -12560119.04 0.0064 0.0040
 Saturn -39098-07-20 13:26 J -12558921.20 -12558920.94 -12558920.67 0.0277 0.0120
 Jupiter -39088-07-24 23:59 J -12555263.73 -12555263.50 -12555263.26 0.0486 0.0194
 Uranus -39081-04-20 09:50 J -12552802.41 -12552802.09 -12552801.76 0.0133 0.0012
 Jupiter -39070-06-21 07:26 J -12548723.49 -12548723.19 -12548722.90 0.0542 0.0055
 Saturn -39054-08-26 04:18 J -12542813.59 -12542813.32 -12542813.04 0.0283 0.0079
 Uranus -39041-08-28 03:21 J -12538062.64 -12538062.36 -12538062.07 0.0146 0.0032
 Neptune -39036-02-17 05:59 J -12536428.50 -12536428.25 -12536427.98 0.0088 0.0059
 Neptune -39034-01-14 14:38 J -12535732.21 -12535731.89 -12535731.54 0.0088 0.0019
 Neptune -39033-12-10 23:30 J -12535035.84 -12535035.52 -12535035.17 0.0088 0.0023
 Neptune -39031-11-07 07:40 J -12534339.38 -12534339.18 -12534338.90 0.0089 0.0064
 Saturn -39010-12-14 17:16 J -12526632.07 -12526631.78 -12526631.48 0.0276 0.0059
 Jupiter -39005-04-13 11:16 J -12525050.15 -12525050.03 -12525049.90 0.0488 0.0422

39TH MILLENNIUM BCE

This is a list of transits of Mars in the 39th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-38997-12-14 16:33 J		-12521883.00	-12521882.81	-12521882.59	0.0133	0.0102	
Jupiter	-38969-01-15 17:02 J		-12511990.05	-12511989.79	-12511989.54	0.0487	0.0058	
Saturn	-38965-01-20 07:26 J		-12510524.47	-12510524.19	-12510523.90	0.0283	0.0025	
Neptune	-38956-01-21 21:06 J		-12507234.73	-12507234.62	-12507234.46	0.0089	0.0078	
Uranus	-38956-04-23 07:26 J		-12507143.42	-12507143.19	-12507142.91	0.0145	0.0071	
Neptune	-38955-12-16 12:14 J		-12506541.22	-12506540.99	-12506540.72	0.0089	0.0044	
Neptune	-38953-11-09 03:50 J		-12505847.62	-12505847.34	-12505847.05	0.0089	0.0010	
Jupiter	-38952-12-05 16:18 J		-12505455.94	-12505455.82	-12505455.68	0.0540	0.0485	
Neptune	-38951-10-03 19:54 J		-12505153.93	-12505153.67	-12505153.37	0.0089	0.0025	
Neptune	-38949-08-27 10:18 J		-12504460.27	-12504460.07	-12504459.84	0.0089	0.0059	
Jupiter	-38934-10-19 03:21 J		-12498929.54	-12498929.36	-12498929.16	0.0486	0.0322	
Saturn	-38921-05-08 21:50 J		-12494343.89	-12494343.59	-12494343.29	0.0276	0.0033	
Jupiter	-38916-09-15 01:40 J		-12492388.68	-12492388.43	-12492388.17	0.0542	0.0270	
Uranus	-38914-09-06 19:54 J		-12491666.95	-12491666.67	-12491666.36	0.0133	0.0057	
Saturn	-38877-06-14 08:38 J		-12478236.43	-12478236.14	-12478235.86	0.0283	0.0007	
Uranus	-38873-01-15 07:40 J		-12476926.33	-12476926.18	-12476925.99	0.0146	0.0117	
Neptune	-38873-09-30 15:35 J		-12476667.00	-12476666.85	-12476666.66	0.0088	0.0077	
Neptune	-38871-08-28 00:28 J		-12475970.80	-12475970.48	-12475970.17	0.0088	0.0036	
Neptune	-38869-07-24 08:52 J		-12475274.47	-12475274.13	-12475273.78	0.0088	0.0005	
Neptune	-38867-06-20 17:16 J		-12474578.04	-12474577.78	-12474577.46	0.0088	0.0047	
Neptune	-38865-05-17 02:09 J		-12473881.43	-12473881.41	-12473881.32	0.0089	0.0088	
Jupiter	-38851-07-08 14:09 J		-12468716.11	-12468715.91	-12468715.71	0.0488	0.0298	

Saturn -38833-10-02 23:02 J -12462054.83 -12462054.54 -12462054.24 0.0275 0.0023
 Uranus -38829-05-02 02:09 J -12460747.71 -12460747.41 -12460747.08 0.0133 0.0033
 Jupiter -38815-04-11 01:54 J -12455655.67 -12455655.42 -12455655.17 0.0487 0.0084
 Jupiter -38797-03-01 20:23 J -12449120.91 -12449120.65 -12449120.38 0.0540 0.0248
 Neptune -38791-08-01 03:35 J -12446777.55 -12446777.35 -12446777.12 0.0089 0.0059
 Neptune -38789-06-24 18:42 J -12446083.98 -12446083.72 -12446083.43 0.0089 0.0025
 Uranus -38789-09-09 09:50 J -12446007.37 -12446007.09 -12446006.80 0.0146 0.0017
 Saturn -38789-11-07 13:54 J -12445948.20 -12445947.92 -12445947.63 0.0283 0.0026
 Neptune -38787-05-19 09:50 J -12445390.37 -12445390.09 -12445389.79 0.0089 0.0011
 Neptune -38785-04-12 02:23 J -12444696.63 -12444696.40 -12444696.13 0.0089 0.0045
 Neptune -38783-03-06 17:02 J -12444002.88 -12444002.79 -12444002.63 0.0089 0.0080
 Jupiter -38779-01-12 10:18 J -12442595.14 -12442595.07 -12442594.97 0.0486 0.0457
 Pluto -38766-12-31 01:40 J -12437494.76 -12437494.43 -12437494.07 0.0080 0.0013
 Jupiter -38762-12-10 05:16 J -12436054.43 -12436054.28 -12436054.12 0.0542 0.0459
 Uranus -38746-01-23 02:09 J -12430531.48 -12430531.41 -12430531.32 0.0133 0.0128
 Uranus -38745-12-26 05:45 J -12429828.38 -12429828.26 -12429828.10 0.0133 0.0121
 Saturn -38744-02-25 19:26 J -12429766.98 -12429766.69 -12429766.39 0.0276 0.0040
 Neptune -38707-04-10 11:45 J -12416209.26 -12416209.01 -12416208.71 0.0088 0.0054
 Neptune -38705-03-06 20:23 J -12415512.99 -12415512.65 -12415512.31 0.0088 0.0012
 Uranus -38704-05-05 11:45 J -12415088.25 -12415088.01 -12415087.77 0.0145 0.0083
 Neptune -38703-02-01 04:47 J -12414816.61 -12414816.30 -12414815.96 0.0088 0.0030
 Neptune -38702-12-29 13:40 J -12414120.12 -12414119.93 -12414119.72 0.0089 0.0071
 Saturn -38700-04-02 19:26 J -12413659.97 -12413659.69 -12413659.41 0.0283 0.0047
 Jupiter -38697-10-01 23:16 J -12412381.77 -12412381.53 -12412381.28 0.0488 0.0154
 Uranus -38662-09-18 06:57 J -12399612.52 -12399612.21 -12399611.89 0.0133 0.0040
 Jupiter -38661-07-05 06:14 J -12399321.46 -12399321.24 -12399321.01 0.0487 0.0217
 Saturn -38656-07-23 00:42 J -12397477.75 -12397477.47 -12397477.18 0.0276 0.0095
 Jupiter -38643-05-26 20:38 J -12392786.93 -12392786.64 -12392786.34 0.0541 0.0062
 Neptune -38627-03-16 18:28 J -12387013.88 -12387013.73 -12387013.57 0.0089 0.0074
 Neptune -38625-02-08 10:47 J -12386320.28 -12386320.05 -12386319.76 0.0089 0.0040

Neptune -38623-01-02 02:52 J -12385626.67 -12385626.38 -12385626.09 0.0089 0.0004
 Neptune -38622-11-26 17:16 J -12384933.03 -12384932.78 -12384932.49 0.0089 0.0031
 Uranus -38621-01-27 12:42 J -12384871.16 -12384870.97 -12384870.76 0.0146 0.0103
 Neptune -38620-10-20 09:06 J -12384239.29 -12384239.12 -12384238.90 0.0089 0.0066
 Saturn -38612-08-26 22:18 J -12381371.84 -12381371.57 -12381371.28 0.0283 0.0074
 Pluto -38607-12-07 05:30 J -12379443.56 -12379443.27 -12379442.98 0.0064 0.0010
 Jupiter -38578-03-25 17:30 J -12369107.91 -12369107.77 -12369107.62 0.0489 0.0399
 Uranus -38577-05-13 08:38 J -12368693.43 -12368693.14 -12368692.81 0.0133 0.0048
 Saturn -38568-12-16 06:42 J -12365189.49 -12365189.22 -12365188.95 0.0275 0.0124
 Neptune -38544-11-22 02:23 J -12356447.58 -12356447.40 -12356447.17 0.0088 0.0071
 Jupiter -38543-12-26 22:04 J -12356047.83 -12356047.58 -12356047.32 0.0488 0.0033
 Neptune -38542-10-19 09:50 J -12355751.40 -12355751.09 -12355750.75 0.0088 0.0030
 Neptune -38540-09-14 18:14 J -12355055.07 -12355054.74 -12355054.39 0.0088 0.0013
 Neptune -38538-08-12 02:38 J -12354358.64 -12354358.39 -12354358.10 0.0088 0.0055
 Uranus -38537-09-21 13:26 J -12353952.23 -12353951.94 -12353951.65 0.0146 0.0004
 Saturn -38523-01-21 01:40 J -12349082.68 -12349082.43 -12349082.16 0.0283 0.0120
 Saturn -38509-03-22 13:11 J -12343908.10 -12343907.95 -12343907.80 0.0275 0.0240
 Jupiter -38507-09-29 05:02 J -12342987.47 -12342987.29 -12342987.10 0.0487 0.0335
 Uranus -38494-02-03 05:59 J -12338477.39 -12338477.25 -12338477.06 0.0133 0.0115
 Jupiter -38489-08-20 05:30 J -12336452.55 -12336452.27 -12336451.98 0.0540 0.0139
 Saturn -38479-05-12 18:57 J -12332899.92 -12332899.71 -12332899.47 0.0276 0.0182
 Saturn -38465-04-28 02:38 J -12327800.50 -12327800.39 -12327800.25 0.0283 0.0253
 Neptune -38462-09-24 03:06 J -12326556.59 -12326556.37 -12326556.14 0.0089 0.0054
 Neptune -38460-08-17 19:40 J -12325862.96 -12325862.68 -12325862.39 0.0089 0.0019
 Neptune -38458-07-12 11:16 J -12325169.31 -12325169.03 -12325168.74 0.0089 0.0017
 Neptune -38456-06-05 01:54 J -12324475.64 -12324475.42 -12324475.17 0.0089 0.0052
 Neptune -38454-04-29 17:16 J -12323781.81 -12323781.78 -12323781.70 0.0089 0.0087
 Uranus -38452-05-17 16:04 J -12323033.04 -12323032.83 -12323032.61 0.0145 0.0096
 Saturn -38435-06-16 17:02 J -12316794.03 -12316793.79 -12316793.55 0.0283 0.0157
 Jupiter -38424-06-18 07:40 J -12312774.37 -12312774.18 -12312773.97 0.0490 0.0296

Saturn -38421-08-17 01:26 J -12311618.66 -12311618.44 -12311618.21 0.0276 0.0184
 Uranus -38410-09-29 07:54 J -12307558.48 -12307558.17 -12307557.84 0.0133 0.0028
 Saturn -38391-10-06 18:28 J -12300610.87 -12300610.73 -12300610.55 0.0276 0.0232
 Jupiter -38388-03-21 16:04 J -12299714.08 -12299713.83 -12299713.57 0.0488 0.0075
 Neptune -38380-07-05 17:16 J -12296685.78 -12296685.78 -12296685.71 0.0088 0.0088
 Neptune -38378-06-02 00:28 J -12295989.75 -12295989.48 -12295989.16 0.0088 0.0047
 Saturn -38377-09-21 21:21 J -12295511.78 -12295511.61 -12295511.41 0.0283 0.0213
 Neptune -38376-04-28 08:09 J -12295293.50 -12295293.16 -12295292.81 0.0088 0.0005
 Neptune -38374-03-25 16:04 J -12294597.13 -12294596.83 -12294596.51 0.0088 0.0038
 Neptune -38372-02-19 01:11 J -12293900.59 -12293900.45 -12293900.31 0.0089 0.0080
 Jupiter -38370-02-04 09:35 J -12293185.28 -12293185.10 -12293184.89 0.0538 0.0405
 Uranus -38369-02-08 16:18 J -12292816.04 -12292815.82 -12292815.59 0.0146 0.0091
 Pluto -38358-03-18 04:18 J -12288760.49 -12288760.32 -12288760.13 0.0064 0.0051
 Jupiter -38353-12-22 18:57 J -12286653.82 -12286653.71 -12286653.59 0.0487 0.0433
 Saturn -38347-11-11 16:04 J -12284503.99 -12284503.83 -12284503.66 0.0283 0.0230
 Jupiter -38335-11-13 15:21 J -12280119.11 -12280118.86 -12280118.60 0.0541 0.0281
 Saturn -38332-01-11 05:45 J -12279329.53 -12279329.26 -12279328.99 0.0275 0.0126
 Uranus -38325-05-24 11:16 J -12276639.31 -12276639.03 -12276638.72 0.0133 0.0059
 Neptune -38298-05-09 19:40 J -12266792.84 -12266792.68 -12266792.48 0.0089 0.0070
 Neptune -38296-04-02 11:45 J -12266099.26 -12266099.01 -12266098.72 0.0089 0.0034
 Neptune -38294-02-25 05:02 J -12265405.58 -12265405.29 -12265405.00 0.0089 0.0002
 Neptune -38292-01-18 20:38 J -12264711.88 -12264711.64 -12264711.36 0.0089 0.0038
 Neptune -38291-12-13 11:16 J -12264018.15 -12264018.03 -12264017.83 0.0089 0.0074
 Saturn -38288-02-16 23:45 J -12263221.76 -12263221.51 -12263221.26 0.0283 0.0137
 Uranus -38285-10-03 15:06 J -12261897.16 -12261896.87 -12261896.58 0.0145 0.0007
 Jupiter -38270-09-12 00:28 J -12256440.72 -12256440.48 -12256440.25 0.0489 0.0191
 Saturn -38258-04-07 13:26 J -12252214.99 -12252214.94 -12252214.86 0.0283 0.0274
 Saturn -38244-06-07 10:18 J -12247040.35 -12247040.07 -12247039.77 0.0276 0.0075
 Uranus -38242-02-14 04:47 J -12246423.47 -12246423.30 -12246423.07 0.0133 0.0105
 Jupiter -38234-06-15 02:52 J -12243380.62 -12243380.38 -12243380.14 0.0488 0.0166

Jupiter -38216-04-29 11:45 J -12236852.26 -12236852.01 -12236851.75 0.0539 0.0278
 Neptune -38214-01-13 17:02 J -12236228.02 -12236227.79 -12236227.55 0.0088 0.0064
 Neptune -38213-12-10 00:14 J -12235531.80 -12235531.49 -12235531.14 0.0088 0.0022
 Neptune -38211-11-06 07:40 J -12234835.50 -12234835.18 -12234834.83 0.0088 0.0022
 Neptune -38209-10-02 15:21 J -12234139.07 -12234138.86 -12234138.60 0.0089 0.0064
 Uranus -38200-05-29 13:26 J -12230978.13 -12230977.94 -12230977.73 0.0145 0.0104
 Saturn -38200-07-13 18:42 J -12230932.98 -12230932.72 -12230932.44 0.0283 0.0096
 Jupiter -38180-02-06 13:40 J -12223785.08 -12223784.93 -12223784.76 0.0540 0.0451
 Uranus -38158-10-10 08:38 J -12215504.46 -12215504.14 -12215503.80 0.0133 0.0018
 Saturn -38156-11-01 18:42 J -12214751.02 -12214750.72 -12214750.42 0.0275 0.0009
 Jupiter -38151-03-04 11:16 J -12213167.11 -12213167.03 -12213166.93 0.0490 0.0455
 Neptune -38135-12-23 11:45 J -12207029.07 -12207029.01 -12207028.90 0.0089 0.0085
 Neptune -38133-11-16 05:59 J -12206335.48 -12206335.25 -12206334.99 0.0089 0.0049
 Neptune -38131-10-10 21:50 J -12205641.87 -12205641.59 -12205641.30 0.0089 0.0013
 Neptune -38129-09-03 13:26 J -12204948.20 -12204947.94 -12204947.64 0.0089 0.0024
 Neptune -38127-07-29 05:16 J -12204254.47 -12204254.28 -12204254.04 0.0089 0.0060
 Uranus -38117-02-20 14:38 J -12200761.11 -12200760.89 -12200760.63 0.0146 0.0083
 Jupiter -38116-12-05 15:35 J -12200107.10 -12200106.85 -12200106.60 0.0489 0.0094
 Saturn -38112-12-08 07:26 J -12198643.47 -12198643.19 -12198642.91 0.0283 0.0030
 Jupiter -38080-09-08 01:40 J -12187046.64 -12187046.43 -12187046.22 0.0488 0.0283
 Uranus -38073-06-04 09:35 J -12184585.36 -12184585.10 -12184584.79 0.0133 0.0069
 Saturn -38067-03-28 05:16 J -12182462.58 -12182462.28 -12182461.98 0.0276 0.0026
 Jupiter -38062-07-24 21:50 J -12180517.88 -12180517.59 -12180517.29 0.0539 0.0084
 Neptune -38051-08-27 08:23 J -12176466.25 -12176466.15 -12176465.99 0.0088 0.0082
 Neptune -38049-07-23 14:52 J -12175770.16 -12175769.88 -12175769.55 0.0088 0.0039
 Neptune -38047-06-19 23:02 J -12175073.88 -12175073.54 -12175073.19 0.0088 0.0004
 Neptune -38045-05-16 05:59 J -12174377.50 -12174377.25 -12174376.92 0.0088 0.0048
 Uranus -38033-10-15 14:38 J -12169842.17 -12169841.89 -12169841.60 0.0145 0.0016
 Saturn -38023-05-03 14:38 J -12166355.17 -12166354.89 -12166354.60 0.0283 0.0005
 Pluto -38023-12-05 07:54 J -12166139.47 -12166139.17 -12166138.87 0.0080 0.0037

38TH MILLENNIUM BCE

This is a list of transits of Mars in the 38th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-37997-05-28 08:52 J	-12156833.31	-12156833.13	-12156832.94	0.0490	0.0341		
Uranus	-37990-02-25 02:23 J	-12154369.59	-12154369.40	-12154369.14	0.0133	0.0096		
Saturn	-37979-08-22 09:06 J	-12150173.40	-12150173.12	-12150172.82	0.0275	0.0086		
Neptune	-37969-07-01 21:21 J	-12146571.80	-12146571.61	-12146571.40	0.0089	0.0064		
Neptune	-37967-05-26 15:06 J	-12145878.14	-12145877.87	-12145877.58	0.0089	0.0028		
Neptune	-37965-04-19 07:40 J	-12145184.46	-12145184.18	-12145183.88	0.0089	0.0009		
Neptune	-37963-03-13 23:02 J	-12144490.76	-12144490.54	-12144490.26	0.0089	0.0046		
Neptune	-37961-02-05 15:06 J	-12143796.95	-12143796.87	-12143796.72	0.0089	0.0082		
Jupiter	-37961-02-29 21:21 J	-12143772.87	-12143772.61	-12143772.36	0.0489	0.0040		
Uranus	-37948-06-10 14:52 J	-12138923.04	-12138922.88	-12138922.68	0.0145	0.0114		
Saturn	-37935-09-27 01:11 J	-12134066.73	-12134066.45	-12134066.16	0.0284	0.0034		
Jupiter	-37926-12-03 04:47 J	-12130712.43	-12130712.30	-12130712.15	0.0488	0.0409		
Jupiter	-37908-10-17 21:06 J	-12124183.91	-12124183.62	-12124183.32	0.0540	0.0095		
Uranus	-37906-10-21 04:47 J	-12123450.63	-12123450.30	-12123449.97	0.0133	0.0009		
Saturn	-37890-01-15 05:59 J	-12117885.52	-12117885.25	-12117884.97	0.0275	0.0106		
Neptune	-37885-03-06 07:26 J	-12116008.44	-12116008.19	-12116007.92	0.0088	0.0057		
Neptune	-37883-01-31 14:09 J	-12115312.24	-12115311.91	-12115311.56	0.0088	0.0014		
Neptune	-37882-12-28 21:21 J	-12114615.90	-12114615.61	-12114615.26	0.0088	0.0031		
Neptune	-37880-11-24 05:16 J	-12113919.44	-12113919.28	-12113919.06	0.0089	0.0074		

Uranus -37865-03-03 17:45 J -12108706.01 -12108705.76 -12108705.51 0.0146 0.0071
 Saturn -37846-02-20 03:50 J -12101778.62 -12101778.34 -12101778.06 0.0284 0.0051
 Jupiter -37843-08-22 17:59 J -12100498.98 -12100498.75 -12100498.51 0.0490 0.0198
 Uranus -37821-06-15 07:26 J -12092531.44 -12092531.19 -12092530.90 0.0133 0.0077
 Jupiter -37807-05-26 01:54 J -12087438.66 -12087438.42 -12087438.19 0.0489 0.0173
 Neptune -37805-02-15 13:54 J -12086808.02 -12086807.92 -12086807.77 0.0089 0.0080
 Neptune -37803-01-09 06:57 J -12086114.45 -12086114.21 -12086113.94 0.0089 0.0043
 Saturn -37802-06-11 08:52 J -12085596.36 -12085596.13 -12085595.87 0.0275 0.0160
 Neptune -37802-12-04 00:14 J -12085420.78 -12085420.49 -12085420.20 0.0089 0.0006
 Neptune -37800-10-27 16:47 J -12084727.05 -12084726.80 -12084726.51 0.0089 0.0031
 Neptune -37798-09-21 07:26 J -12084033.34 -12084033.19 -12084032.97 0.0089 0.0068
 Jupiter -37789-04-03 13:26 J -12080916.12 -12080915.94 -12080915.74 0.0538 0.0412
 Uranus -37781-10-27 16:04 J -12077787.10 -12077786.83 -12077786.53 0.0145 0.0027
 Pluto -37774-03-15 21:21 J -12075456.80 -12075456.61 -12075456.33 0.0080 0.0059
 Saturn -37758-07-16 03:35 J -12069490.62 -12069490.35 -12069490.07 0.0284 0.0073
 Jupiter -37753-01-12 11:30 J -12067849.27 -12067849.02 -12067848.77 0.0539 0.0304
 Saturn -37744-09-14 21:35 J -12064315.76 -12064315.60 -12064315.41 0.0275 0.0226
 Uranus -37738-03-07 23:16 J -12062315.77 -12062315.53 -12062315.27 0.0133 0.0087
 Jupiter -37724-02-12 13:26 J -12057225.05 -12057224.94 -12057224.83 0.0492 0.0441
 Neptune -37722-10-18 23:02 J -12056246.68 -12056246.54 -12056246.33 0.0088 0.0076
 Neptune -37720-09-14 05:45 J -12055550.57 -12055550.26 -12055549.93 0.0088 0.0032
 Neptune -37718-08-11 12:28 J -12054854.30 -12054853.98 -12054853.63 0.0088 0.0013
 Neptune -37716-07-07 19:40 J -12054157.91 -12054157.68 -12054157.38 0.0088 0.0057
 Saturn -37714-11-04 08:38 J -12053308.36 -12053308.14 -12053307.91 0.0275 0.0184
 Uranus -37696-06-22 14:09 J -12046868.04 -12046867.91 -12046867.74 0.0145 0.0123
 Jupiter -37689-11-15 19:40 J -12044164.93 -12044164.68 -12044164.42 0.0491 0.0072
 Saturn -37670-12-09 20:23 J -12037201.91 -12037201.65 -12037201.38 0.0284 0.0108
 Saturn -37655-02-08 01:11 J -12032027.65 -12032027.45 -12032027.22 0.0275 0.0197
 Uranus -37654-11-01 03:06 J -12031396.70 -12031396.37 -12031396.04 0.0133 0.0001
 Jupiter -37653-08-19 04:18 J -12031104.52 -12031104.32 -12031104.12 0.0489 0.0297

Neptune -37640-08-24 23:16 J -12026350.73 -12026350.53 -12026350.29 0.0089 0.0059
 Neptune -37638-07-19 16:04 J -12025657.10 -12025656.83 -12025656.54 0.0089 0.0022
 Neptune -37636-06-12 08:23 J -12024963.42 -12024963.15 -12024962.85 0.0089 0.0016
 Jupiter -37635-06-29 04:47 J -12024581.57 -12024581.30 -12024581.02 0.0537 0.0201
 Neptune -37634-05-07 01:40 J -12024269.64 -12024269.43 -12024269.18 0.0089 0.0053
 Saturn -37625-03-30 15:21 J -12021019.00 -12021018.86 -12021018.70 0.0275 0.0238
 Pluto -37615-02-22 03:50 J -12017403.54 -12017403.34 -12017403.08 0.0064 0.0040
 Uranus -37613-03-15 17:16 J -12016651.03 -12016650.78 -12016650.51 0.0146 0.0063
 Saturn -37611-03-17 01:11 J -12015919.52 -12015919.45 -12015919.38 0.0283 0.0274
 Jupiter -37599-04-07 19:40 J -12011514.79 -12011514.68 -12011514.55 0.0540 0.0494
 Saturn -37581-05-04 05:02 J -12004913.53 -12004913.29 -12004913.03 0.0283 0.0138
 Jupiter -37570-05-09 07:40 J -12000891.36 -12000891.18 -12000890.99 0.0492 0.0330
 Uranus -37569-06-26 05:02 J -12000477.52 -12000477.29 -12000477.02 0.0133 0.0086
 Saturn -37567-07-05 08:38 J -11999738.39 -11999738.14 -11999737.87 0.0276 0.0144
 Neptune -37556-04-27 20:09 J -11995788.91 -11995788.66 -11995788.35 0.0088 0.0051
 Neptune -37554-03-25 02:38 J -11995092.72 -11995092.39 -11995092.04 0.0088 0.0007
 Neptune -37552-02-18 09:21 J -11994396.39 -11994396.11 -11994395.77 0.0088 0.0039
 Neptune -37550-01-15 16:47 J -11993699.88 -11993699.80 -11993699.64 0.0088 0.0083
 Jupiter -37534-02-09 17:45 J -11987831.02 -11987830.76 -11987830.51 0.0490 0.0043
 Uranus -37529-11-08 17:02 J -11985732.06 -11985731.79 -11985731.50 0.0146 0.0036
 Saturn -37523-08-10 13:54 J -11983631.05 -11983630.92 -11983630.76 0.0283 0.0241
 Jupiter -37499-11-12 21:06 J -11974770.76 -11974770.62 -11974770.47 0.0489 0.0400
 Saturn -37493-09-28 20:52 J -11972623.81 -11972623.63 -11972623.42 0.0283 0.0204
 Uranus -37486-03-18 22:33 J -11970261.82 -11970261.56 -11970261.29 0.0133 0.0077
 Jupiter -37481-09-21 20:38 J -11968247.93 -11968247.64 -11968247.34 0.0538 0.0049
 Saturn -37479-11-29 07:11 J -11967449.48 -11967449.20 -11967448.90 0.0275 0.0090
 Neptune -37476-04-09 12:42 J -11966587.09 -11966586.97 -11966586.79 0.0089 0.0076
 Neptune -37474-03-04 07:40 J -11965893.42 -11965893.18 -11965892.90 0.0089 0.0038
 Neptune -37472-01-26 00:57 J -11965199.75 -11965199.46 -11965199.16 0.0089 0.0001
 Neptune -37471-12-20 16:33 J -11964506.05 -11964505.81 -11964505.52 0.0089 0.0038

Neptune -37469-11-13 09:35 J -11963812.23 -11963812.10 -11963811.92 0.0089 0.0075
 Uranus -37444-07-04 18:28 J -11954812.82 -11954812.73 -11954812.60 0.0145 0.0134
 Saturn -37434-01-05 12:14 J -11951341.20 -11951340.99 -11951340.75 0.0283 0.0168
 Jupiter -37416-08-02 01:11 J -11944557.67 -11944557.45 -11944557.22 0.0491 0.0225
 Saturn -37404-02-22 17:45 J -11940334.88 -11940334.76 -11940334.60 0.0283 0.0246
 Uranus -37402-11-12 01:26 J -11939342.77 -11939342.44 -11939342.10 0.0133 0.0009
 Neptune -37393-12-09 12:14 J -11936027.16 -11936026.99 -11936026.74 0.0088 0.0070
 Neptune -37391-11-05 17:30 J -11935331.08 -11935330.77 -11935330.42 0.0088 0.0025
 Saturn -37390-04-25 14:52 J -11935160.19 -11935159.88 -11935159.58 0.0276 0.0035
 Neptune -37389-10-01 23:59 J -11934634.83 -11934634.50 -11934634.16 0.0088 0.0020
 Neptune -37387-08-29 06:28 J -11933938.43 -11933938.23 -11933937.96 0.0088 0.0065
 Jupiter -37380-05-05 04:18 J -11931497.56 -11931497.32 -11931497.07 0.0490 0.0133
 Pluto -37367-06-02 09:06 J -11926721.38 -11926721.12 -11926720.82 0.0064 0.0021
 Uranus -37361-03-28 00:42 J -11924595.73 -11924595.47 -11924595.19 0.0146 0.0049
 Saturn -37346-06-01 10:04 J -11919052.33 -11919052.08 -11919051.83 0.0283 0.0126
 Jupiter -37327-12-16 17:02 J -11911914.08 -11911913.79 -11911913.50 0.0537 0.0114
 Uranus -37317-07-07 06:42 J -11908423.42 -11908423.22 -11908422.97 0.0133 0.0097
 Neptune -37311-10-17 20:52 J -11906129.84 -11906129.63 -11906129.38 0.0089 0.0055
 Neptune -37309-09-10 15:50 J -11905436.13 -11905435.84 -11905435.56 0.0089 0.0016
 Neptune -37307-08-05 08:23 J -11904742.42 -11904742.15 -11904741.86 0.0089 0.0022
 Neptune -37305-06-28 23:30 J -11904048.70 -11904048.52 -11904048.28 0.0089 0.0060
 Saturn -37302-09-20 02:38 J -11902870.69 -11902870.39 -11902870.08 0.0275 0.0035
 Uranus -37277-11-21 01:11 J -11893676.71 -11893676.45 -11893676.17 0.0146 0.0050
 Jupiter -37262-10-26 12:28 J -11888224.22 -11888223.98 -11888223.73 0.0492 0.0136
 Saturn -37258-10-27 05:30 J -11886762.54 -11886762.27 -11886761.99 0.0283 0.0051
 Uranus -37234-03-29 23:16 J -11878207.80 -11878207.53 -11878207.22 0.0133 0.0066
 Neptune -37229-07-23 03:21 J -11876265.36 -11876265.36 -11876265.32 0.0088 0.0088
 Neptune -37227-06-19 07:11 J -11875569.47 -11875569.20 -11875568.88 0.0088 0.0045
 Jupiter -37226-07-29 23:16 J -11875163.75 -11875163.53 -11875163.30 0.0490 0.0240
 Neptune -37225-05-15 12:42 J -11874873.31 -11874872.97 -11874872.63 0.0088 0.0000

Neptune -37223-04-11 18:28 J -11874177.00 -11874176.73 -11874176.41 0.0088 0.0046
 Saturn -37213-02-13 21:21 J -11870581.90 -11870581.61 -11870581.31 0.0276 0.0080
 Jupiter -37208-06-01 22:18 J -11868646.76 -11868646.57 -11868646.38 0.0536 0.0415
 Uranus -37194-08-15 06:28 J -11863459.32 -11863459.23 -11863459.10 0.0146 0.0134
 Jupiter -37172-03-11 04:47 J -11855580.56 -11855580.30 -11855580.04 0.0538 0.0260
 Saturn -37169-03-21 20:38 J -11854473.92 -11854473.64 -11854473.36 0.0283 0.0018
 Uranus -37150-11-23 07:11 J -11847288.51 -11847288.20 -11847287.86 0.0133 0.0024
 Neptune -37147-06-02 09:35 J -11846366.25 -11846366.10 -11846365.91 0.0089 0.0072
 Neptune -37145-04-26 03:35 J -11845672.60 -11845672.35 -11845672.06 0.0089 0.0034
 Neptune -37143-03-20 22:33 J -11844978.85 -11844978.56 -11844978.26 0.0089 0.0005
 Jupiter -37143-04-18 01:11 J -11844950.60 -11844950.45 -11844950.30 0.0493 0.0395
 Neptune -37141-02-12 15:21 J -11844285.09 -11844284.86 -11844284.58 0.0089 0.0044
 Neptune -37139-01-06 06:57 J -11843591.29 -11843591.21 -11843591.06 0.0089 0.0082
 Saturn -37125-07-10 06:57 J -11838292.46 -11838292.21 -11838291.94 0.0275 0.0147
 Pluto -37119-09-10 12:42 J -11836039.26 -11836038.97 -11836038.68 0.0064 0.0007
 Uranus -37109-04-09 07:11 J -11832540.47 -11832540.20 -11832539.92 0.0146 0.0036
 Jupiter -37107-01-19 15:06 J -11831890.13 -11831889.87 -11831889.62 0.0491 0.0014
 Saturn -37081-08-15 17:02 J -11822185.07 -11822184.79 -11822184.51 0.0284 0.0031
 Jupiter -37072-10-22 22:47 J -11818829.73 -11818829.55 -11818829.38 0.0490 0.0354
 Saturn -37067-10-14 14:23 J -11817012.04 -11817011.90 -11817011.76 0.0275 0.0245
 Uranus -37065-07-18 13:40 J -11816369.09 -11816368.93 -11816368.73 0.0133 0.0111
 Neptune -37063-01-30 20:52 J -11815807.83 -11815807.63 -11815807.37 0.0088 0.0065
 Neptune -37062-12-28 01:54 J -11815111.74 -11815111.42 -11815111.07 0.0088 0.0020
 Neptune -37060-11-23 07:11 J -11814415.53 -11814415.20 -11814414.87 0.0088 0.0026
 Neptune -37058-10-20 12:28 J -11813719.15 -11813718.98 -11813718.74 0.0088 0.0072
 Jupiter -37054-08-26 15:35 J -11812313.11 -11812312.85 -11812312.58 0.0536 0.0254
 Saturn -37037-12-03 07:40 J -11806004.41 -11806004.18 -11806003.93 0.0275 0.0173
 Uranus -37025-12-03 09:35 J -11801621.36 -11801621.10 -11801620.84 0.0146 0.0064
 Jupiter -37018-06-05 06:42 J -11799246.38 -11799246.22 -11799246.04 0.0538 0.0437

37TH MILLENNIUM BCE

This is a list of transits of Mars in the 37th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-36992-01-08 22:04 J	-11789896.85	-11789896.58	-11789896.30	0.0284	0.0051		
Jupiter	-36989-07-12 09:06 J	-11788616.34	-11788616.12	-11788615.90	0.0493	0.0256		
Uranus	-36982-04-10 10:33 J	-11786153.35	-11786153.06	-11786152.73	0.0133	0.0049		
Neptune	-36982-12-10 16:33 J	-11785909.04	-11785908.81	-11785908.56	0.0089	0.0051		
Neptune	-36980-11-03 10:04 J	-11785215.37	-11785215.08	-11785214.79	0.0089	0.0012		
Saturn	-36978-03-09 11:02 J	-11784724.21	-11784724.04	-11784723.85	0.0275	0.0223		
Neptune	-36978-09-28 03:35 J	-11784521.62	-11784521.35	-11784521.06	0.0089	0.0027		
Neptune	-36976-08-21 20:38 J	-11783827.82	-11783827.64	-11783827.43	0.0089	0.0065		
Jupiter	-36953-04-14 18:42 J	-11775555.96	-11775555.72	-11775555.47	0.0492	0.0116		
Saturn	-36948-04-29 10:33 J	-11773715.22	-11773715.06	-11773714.88	0.0275	0.0228		
Uranus	-36942-08-27 16:47 J	-11771403.95	-11771403.80	-11771403.62	0.0146	0.0118		
Jupiter	-36917-01-17 04:33 J	-11762495.35	-11762495.31	-11762495.26	0.0489	0.0480		
Saturn	-36904-06-03 23:16 J	-11757608.80	-11757608.53	-11757608.26	0.0284	0.0074		
Neptune	-36900-09-13 08:38 J	-11756046.18	-11756046.14	-11756046.00	0.0088	0.0086		
Jupiter	-36900-11-20 05:59 J	-11755978.55	-11755978.25	-11755977.95	0.0536	0.0050		
Neptune	-36898-08-10 12:14 J	-11755350.27	-11755349.99	-11755349.66	0.0088	0.0041		
Uranus	-36898-12-04 18:42 J	-11755234.02	-11755233.72	-11755233.38	0.0133	0.0041		
Neptune	-36896-07-06 17:45 J	-11754654.10	-11754653.76	-11754653.42	0.0088	0.0006		
Neptune	-36894-06-02 22:18 J	-11753957.81	-11753957.57	-11753957.25	0.0088	0.0052		
Saturn	-36890-08-03 12:14 J	-11752435.22	-11752434.99	-11752434.74	0.0275	0.0173		

Pluto -36871-12-19 13:40 J -11745357.22 -11745356.93 -11745356.63 0.0064 0.0002
 Saturn -36860-09-22 06:14 J -11741427.35 -11741427.24 -11741427.09 0.0275 0.0249
 Uranus -36857-04-21 22:33 J -11740484.85 -11740484.56 -11740484.28 0.0146 0.0016
 Jupiter -36835-10-06 13:26 J -11732282.19 -11732281.94 -11732281.70 0.0493 0.0127
 Neptune -36818-07-26 00:57 J -11726145.61 -11726145.46 -11726145.25 0.0089 0.0070
 Neptune -36816-06-18 21:35 J -11725451.87 -11725451.60 -11725451.32 0.0089 0.0030
 Saturn -36816-10-28 08:23 J -11725320.41 -11725320.15 -11725319.89 0.0284 0.0099
 Uranus -36815-08-26 15:50 J -11725017.97 -11725017.84 -11725017.67 0.0132 0.0118
 Neptune -36814-05-13 14:52 J -11724758.16 -11724757.88 -11724757.58 0.0089 0.0009
 Uranus -36813-07-30 05:02 J -11724314.32 -11724314.29 -11724314.20 0.0133 0.0131
 Neptune -36812-04-06 08:23 J -11724064.38 -11724064.15 -11724063.90 0.0089 0.0048
 Neptune -36810-03-01 01:26 J -11723370.47 -11723370.44 -11723370.35 0.0089 0.0087
 Saturn -36802-12-27 10:04 J -11720147.33 -11720147.08 -11720146.81 0.0275 0.0148
 Jupiter -36799-07-10 00:57 J -11719221.68 -11719221.46 -11719221.24 0.0491 0.0245
 Jupiter -36781-05-07 08:09 J -11712710.21 -11712710.16 -11712710.11 0.0534 0.0525
 Uranus -36773-12-16 02:38 J -11709565.60 -11709565.39 -11709565.14 0.0146 0.0086
 Jupiter -36745-02-14 21:50 J -11699643.87 -11699643.59 -11699643.30 0.0537 0.0149
 Neptune -36734-03-23 22:18 J -11695588.78 -11695588.57 -11695588.29 0.0088 0.0062
 Neptune -36732-02-17 02:09 J -11694892.74 -11694892.41 -11694892.07 0.0088 0.0016
 Neptune -36730-01-14 06:57 J -11694196.51 -11694196.21 -11694195.87 0.0088 0.0031
 Uranus -36730-04-22 01:54 J -11694098.74 -11694098.42 -11694098.09 0.0133 0.0028
 Neptune -36729-12-10 12:14 J -11693500.12 -11693499.99 -11693499.78 0.0088 0.0077
 Saturn -36727-03-23 10:33 J -11693032.32 -11693032.06 -11693031.81 0.0284 0.0120
 Jupiter -36716-03-29 03:35 J -11689008.51 -11689008.35 -11689008.19 0.0495 0.0382
 Saturn -36713-05-22 13:40 J -11687858.22 -11687857.93 -11687857.64 0.0276 0.0099
 Uranus -36690-09-09 11:16 J -11679348.23 -11679348.03 -11679347.80 0.0146 0.0096
 Jupiter -36681-12-30 16:47 J -11675948.05 -11675947.80 -11675947.54 0.0492 0.0007
 Saturn -36669-06-28 22:18 J -11671749.66 -11671749.57 -11671749.48 0.0283 0.0268
 Neptune -36654-03-10 09:35 J -11666382.10 -11666382.10 -11666382.06 0.0089 0.0089
 Neptune -36652-02-01 05:02 J -11665688.52 -11665688.29 -11665688.03 0.0089 0.0049

Neptune -36651-12-27 00:42 J -11664994.75 -11664994.47 -11664994.17 0.0089 0.0010
 Neptune -36649-11-19 18:42 J -11664300.99 -11664300.72 -11664300.44 0.0089 0.0030
 Neptune -36647-10-14 11:16 J -11663607.20 -11663607.03 -11663606.84 0.0089 0.0069
 Uranus -36646-12-16 13:40 J -11663179.21 -11663178.93 -11663178.63 0.0133 0.0063
 Jupiter -36645-10-02 22:47 J -11662887.72 -11662887.55 -11662887.37 0.0491 0.0356
 Saturn -36639-08-17 16:33 J -11660743.01 -11660742.81 -11660742.57 0.0284 0.0175
 Jupiter -36627-08-01 09:06 J -11656376.34 -11656376.12 -11656375.89 0.0534 0.0360
 Saturn -36625-10-16 05:45 J -11655569.56 -11655569.26 -11655568.96 0.0275 0.0052
 Pluto -36622-03-29 11:30 J -11654675.31 -11654675.02 -11654674.72 0.0064 0.0003
 Uranus -36605-05-04 15:06 J -11648429.15 -11648428.87 -11648428.58 0.0146 0.0005
 Jupiter -36591-05-10 23:59 J -11643309.73 -11643309.50 -11643309.25 0.0536 0.0322
 Saturn -36581-11-23 13:26 J -11639460.12 -11639459.94 -11639459.73 0.0283 0.0203
 Neptune -36571-11-04 07:11 J -11635827.28 -11635827.20 -11635827.06 0.0088 0.0084
 Neptune -36569-09-30 10:18 J -11635131.37 -11635131.07 -11635130.76 0.0088 0.0038
 Neptune -36567-08-27 13:54 J -11634435.25 -11634434.92 -11634434.57 0.0088 0.0009
 Neptune -36565-07-23 19:11 J -11633738.97 -11633738.70 -11633738.43 0.0088 0.0055
 Uranus -36563-09-07 11:59 J -11632963.22 -11632963.00 -11632962.75 0.0132 0.0094
 Jupiter -36562-06-23 00:42 J -11632674.68 -11632674.47 -11632674.25 0.0494 0.0270
 Saturn -36550-01-11 09:06 J -11628454.29 -11628454.12 -11628453.91 0.0283 0.0212
 Saturn -36536-03-12 12:14 J -11623280.29 -11623279.99 -11623279.68 0.0276 0.0006
 Jupiter -36526-03-26 06:28 J -11619614.48 -11619614.23 -11619613.98 0.0493 0.0088
 Uranus -36521-12-28 17:30 J -11617509.94 -11617509.77 -11617509.55 0.0146 0.0106
 Saturn -36492-04-19 10:18 J -11607171.29 -11607171.07 -11607170.84 0.0283 0.0162
 Jupiter -36491-12-27 17:16 J -11606553.87 -11606553.78 -11606553.69 0.0491 0.0458
 Neptune -36489-09-16 13:11 J -11605925.13 -11605924.95 -11605924.76 0.0089 0.0068
 Neptune -36487-08-11 07:54 J -11605231.44 -11605231.17 -11605230.89 0.0089 0.0028
 Neptune -36485-07-05 02:23 J -11604537.68 -11604537.40 -11604537.10 0.0089 0.0012
 Neptune -36483-05-29 21:06 J -11603843.85 -11603843.62 -11603843.38 0.0089 0.0051
 Uranus -36478-05-04 01:54 J -11602043.75 -11602043.42 -11602043.08 0.0132 0.0003
 Jupiter -36473-10-25 07:26 J -11600042.46 -11600042.19 -11600041.90 0.0534 0.0199

Saturn -36448-08-06 22:47 J -11590990.85 -11590990.55 -11590990.25 0.0275 0.0074
 Uranus -36438-09-22 03:21 J -11587292.59 -11587292.36 -11587292.10 0.0146 0.0075
 Jupiter -36437-08-03 13:40 J -11586976.07 -11586975.93 -11586975.77 0.0537 0.0466
 Jupiter -36408-09-15 10:04 J -11576341.31 -11576341.08 -11576340.84 0.0494 0.0187
 Neptune -36405-05-13 15:21 J -11575370.08 -11575369.86 -11575369.58 0.0088 0.0061
 Saturn -36404-09-14 10:04 J -11574881.34 -11574881.08 -11574880.81 0.0283 0.0081
 Neptune -36403-04-09 18:14 J -11574674.06 -11574673.74 -11574673.39 0.0088 0.0015
 Neptune -36401-03-05 22:04 J -11573977.88 -11573977.58 -11573977.24 0.0088 0.0033
 Neptune -36399-01-31 02:52 J -11573281.49 -11573281.38 -11573281.19 0.0088 0.0080
 Uranus -36394-12-28 14:38 J -11571124.11 -11571123.89 -11571123.62 0.0133 0.0090
 Pluto -36374-07-07 07:54 J -11563993.47 -11563993.17 -11563992.88 0.0064 0.0002
 Jupiter -36372-06-18 23:16 J -11563280.76 -11563280.53 -11563280.29 0.0492 0.0191
 Saturn -36360-12-31 22:33 J -11558701.82 -11558701.56 -11558701.27 0.0276 0.0126
 Uranus -36353-05-17 10:04 J -11556373.36 -11556373.08 -11556372.79 0.0146 0.0028
 Neptune -36325-05-01 17:30 J -11546161.79 -11546161.77 -11546161.74 0.0089 0.0088
 Neptune -36323-03-26 14:09 J -11545468.14 -11545467.91 -11545467.64 0.0089 0.0048
 Neptune -36321-02-18 09:35 J -11544774.38 -11544774.10 -11544773.80 0.0089 0.0008
 Neptune -36319-01-12 03:35 J -11544080.61 -11544080.35 -11544080.06 0.0089 0.0033
 Jupiter -36318-01-18 14:52 J -11543709.18 -11543708.88 -11543708.58 0.0535 0.0067
 Neptune -36318-12-06 22:33 J -11543386.72 -11543386.56 -11543386.39 0.0089 0.0072
 Saturn -36315-02-08 07:26 J -11542592.47 -11542592.19 -11542591.92 0.0283 0.0041
 Uranus -36311-09-19 16:18 J -11540908.09 -11540907.82 -11540907.51 0.0132 0.0065
 Saturn -36301-04-06 00:57 J -11537421.50 -11537421.46 -11537421.42 0.0276 0.0274
 Jupiter -36289-03-07 16:18 J -11533067.91 -11533067.82 -11533067.72 0.0496 0.0458
 Saturn -36271-05-28 13:26 J -11526412.13 -11526411.94 -11526411.71 0.0275 0.0201
 Uranus -36268-01-10 17:45 J -11525453.86 -11525453.76 -11525453.62 0.0146 0.0132
 Jupiter -36254-12-10 08:23 J -11520007.40 -11520007.15 -11520006.89 0.0494 0.0072
 Neptune -36242-12-25 21:35 J -11515608.67 -11515608.60 -11515608.45 0.0088 0.0084
 Neptune -36240-11-20 22:47 J -11514912.83 -11514912.55 -11514912.22 0.0088 0.0038
 Neptune -36238-10-18 01:54 J -11514216.75 -11514216.42 -11514216.08 0.0088 0.0010

Neptune -36236-09-13 05:45 J -11513520.51 -11513520.26 -11513519.99 0.0088 0.0057
 Saturn -36227-07-05 13:26 J -11510303.22 -11510302.94 -11510302.66 0.0283 0.0020
 Uranus -36226-05-16 07:11 J -11509988.51 -11509988.20 -11509987.86 0.0132 0.0029
 Jupiter -36218-09-12 16:33 J -11506947.00 -11506946.81 -11506946.60 0.0493 0.0294
 Saturn -36213-08-31 15:21 J -11505132.05 -11505131.86 -11505131.63 0.0276 0.0202
 Uranus -36186-10-05 04:04 J -11495236.60 -11495236.33 -11495236.06 0.0147 0.0048
 Saturn -36183-10-21 21:35 J -11494123.75 -11494123.60 -11494123.43 0.0275 0.0236
 Jupiter -36164-04-13 08:38 J -11487375.44 -11487375.14 -11487374.85 0.0534 0.0090
 Neptune -36160-11-08 17:59 J -11485704.92 -11485704.75 -11485704.55 0.0089 0.0068
 Neptune -36158-10-03 14:52 J -11485011.15 -11485010.88 -11485010.59 0.0089 0.0027
 Neptune -36156-08-27 09:35 J -11484317.38 -11484317.10 -11484316.80 0.0089 0.0014
 Neptune -36154-07-22 02:52 J -11483623.59 -11483623.38 -11483623.13 0.0089 0.0054
 Uranus -36143-02-05 09:35 J -11479772.18 -11479772.10 -11479771.97 0.0132 0.0125
 Uranus -36141-01-09 23:02 J -11479068.66 -11479068.54 -11479068.39 0.0132 0.0121
 Saturn -36139-11-28 22:33 J -11478014.83 -11478014.56 -11478014.28 0.0283 0.0046
 Jupiter -36135-06-01 20:23 J -11476733.84 -11476733.65 -11476733.46 0.0496 0.0327
 Pluto -36126-10-15 00:57 J -11473311.75 -11473311.46 -11473311.16 0.0064 0.0006
 Saturn -36124-01-24 17:59 J -11472843.98 -11472843.75 -11472843.49 0.0276 0.0172
 Uranus -36101-05-30 11:02 J -11464317.30 -11464317.04 -11464316.77 0.0146 0.0057
 Jupiter -36099-03-05 07:54 J -11463673.42 -11463673.17 -11463672.91 0.0494 0.0046
 Neptune -36076-07-04 02:38 J -11455151.61 -11455151.39 -11455151.12 0.0088 0.0061
 Neptune -36074-05-31 03:35 J -11454455.67 -11454455.35 -11454455.00 0.0088 0.0014
 Neptune -36072-04-26 06:14 J -11453759.54 -11453759.24 -11453758.91 0.0088 0.0034
 Neptune -36070-03-23 10:33 J -11453063.18 -11453063.06 -11453062.90 0.0088 0.0081
 Jupiter -36064-12-06 19:40 J -11450612.82 -11450612.68 -11450612.55 0.0492 0.0413
 Uranus -36059-10-02 02:09 J -11448852.72 -11448852.41 -11448852.07 0.0132 0.0032
 Saturn -36050-04-24 04:04 J -11445726.59 -11445726.33 -11445726.06 0.0283 0.0073
 Jupiter -36046-09-29 10:04 J -11444107.28 -11444107.08 -11444106.87 0.0532 0.0379
 Saturn -36036-06-20 22:04 J -11440554.85 -11440554.58 -11440554.28 0.0276 0.0117
 Uranus -36018-02-21 18:42 J -11434099.85 -11434099.72 -11434099.57 0.0147 0.0126

Jupiter -36010-07-09 03:50 J -11431040.59 -11431040.34 -11431040.09 0.0535 0.0293

36TH MILLENNIUM BCE

This is a list of transits of Mars in the 36th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-35996-06-23 20:23 J	-11425941.65	-11425941.65	-11425941.65	0.0089	0.0089		
Neptune	-35994-05-18 17:02 J	-11425248.02	-11425247.79	-11425247.52	0.0089	0.0048		
Neptune	-35992-04-11 14:23 J	-11424554.19	-11424553.90	-11424553.60	0.0089	0.0007		
Neptune	-35990-03-06 09:21 J	-11423860.36	-11423860.11	-11423859.82	0.0089	0.0035		
Neptune	-35988-01-28 02:52 J	-11423166.51	-11423166.38	-11423166.20	0.0089	0.0075		
Jupiter	-35981-08-25 23:02 J	-11420399.77	-11420399.54	-11420399.30	0.0496	0.0201		
Uranus	-35974-05-28 19:26 J	-11417932.97	-11417932.69	-11417932.38	0.0132	0.0061		
Saturn	-35962-09-17 09:21 J	-11413438.37	-11413438.11	-11413437.84	0.0283	0.0094		
Saturn	-35948-11-13 16:18 J	-11408267.10	-11408266.82	-11408266.52	0.0276	0.0095		
Jupiter	-35945-05-29 14:38 J	-11407339.13	-11407338.89	-11407338.65	0.0494	0.0177		
Uranus	-35934-10-18 01:40 J	-11403180.70	-11403180.43	-11403180.14	0.0147	0.0023		
Neptune	-35912-02-14 07:40 J	-11395390.28	-11395390.18	-11395390.07	0.0088	0.0084		
Neptune	-35910-01-11 07:11 J	-11394694.49	-11394694.20	-11394693.88	0.0088	0.0038		
Neptune	-35909-12-07 08:23 J	-11393998.48	-11393998.15	-11393997.81	0.0088	0.0010		
Neptune	-35907-11-03 10:18 J	-11393302.30	-11393302.07	-11393301.78	0.0088	0.0058		
Jupiter	-35892-12-24 04:18 J	-11387772.59	-11387772.32	-11387772.03	0.0533	0.0182		
Uranus	-35891-02-17 23:30 J	-11387716.73	-11387716.52	-11387716.24	0.0132	0.0091		
Pluto	-35877-01-22 16:47 J	-11382630.06	-11382629.80	-11382629.49	0.0064	0.0018		

Saturn -35873-02-10 07:40 J -11381150.44 -11381150.18 -11381149.92 0.0283 0.0109
 Jupiter -35862-02-16 12:14 J -11377126.08 -11377125.99 -11377125.88 0.0498 0.0456
 Saturn -35859-04-09 14:38 J -11375978.19 -11375977.89 -11375977.58 0.0276 0.0049
 Jupiter -35856-10-02 13:40 J -11374706.05 -11374705.93 -11374705.80 0.0534 0.0482
 Uranus -35849-06-12 07:11 J -11372261.43 -11372261.20 -11372260.95 0.0146 0.0080
 Neptune -35831-12-31 19:26 J -11365484.85 -11365484.69 -11365484.48 0.0089 0.0069
 Neptune -35829-11-24 16:18 J -11364791.09 -11364790.82 -11364790.53 0.0089 0.0027
 Neptune -35827-10-19 12:57 J -11364097.24 -11364096.96 -11364096.66 0.0089 0.0015
 Jupiter -35827-11-20 06:28 J -11364065.48 -11364065.23 -11364064.98 0.0495 0.0070
 Neptune -35825-09-12 07:40 J -11363403.38 -11363403.18 -11363402.92 0.0089 0.0056
 Uranus -35807-10-14 18:14 J -11356797.07 -11356796.74 -11356796.40 0.0132 0.0004
 Jupiter -35791-08-23 16:18 J -11351005.02 -11351004.82 -11351004.61 0.0494 0.0296
 Saturn -35785-07-06 04:18 J -11348861.55 -11348861.32 -11348861.08 0.0283 0.0152
 Saturn -35771-09-02 20:23 J -11343689.96 -11343689.65 -11343689.33 0.0276 0.0012
 Uranus -35766-03-06 21:06 J -11342043.82 -11342043.62 -11342043.40 0.0147 0.0098
 Neptune -35747-08-24 10:47 J -11334933.26 -11334933.05 -11334932.78 0.0088 0.0062
 Neptune -35745-07-20 11:16 J -11334237.34 -11334237.03 -11334236.68 0.0088 0.0015
 Neptune -35743-06-16 12:28 J -11333541.28 -11333540.98 -11333540.66 0.0088 0.0034
 Neptune -35741-05-12 14:38 J -11332844.99 -11332844.89 -11332844.73 0.0088 0.0082
 Jupiter -35737-03-19 13:40 J -11331438.23 -11331437.93 -11331437.63 0.0532 0.0002
 Saturn -35727-10-13 03:21 J -11327578.51 -11327578.36 -11327578.19 0.0282 0.0232
 Uranus -35722-06-10 11:30 J -11325877.23 -11325877.02 -11325876.77 0.0132 0.0096
 Jupiter -35708-05-12 14:23 J -11320792.08 -11320791.90 -11320791.71 0.0497 0.0334
 Saturn -35697-11-29 12:57 J -11316573.17 -11316572.96 -11316572.74 0.0283 0.0179
 Saturn -35682-01-27 21:50 J -11311400.90 -11311400.59 -11311400.28 0.0277 0.0040
 Uranus -35682-10-31 03:21 J -11311124.65 -11311124.36 -11311124.07 0.0147 0.0005
 Jupiter -35672-02-12 23:45 J -11307731.76 -11307731.51 -11307731.25 0.0496 0.0031
 Neptune -35665-07-09 18:57 J -11305027.94 -11305027.71 -11305027.45 0.0089 0.0048
 Neptune -35663-06-03 15:21 J -11304334.15 -11304333.86 -11304333.56 0.0089 0.0006
 Neptune -35661-04-27 11:31 J -11303640.27 -11303640.02 -11303639.74 0.0089 0.0036

Neptune -35659-03-22 07:11 J -11302946.32 -11302946.20 -11302946.04 0.0089 0.0077
 Uranus -35639-03-02 15:50 J -11295661.15 -11295660.84 -11295660.54 0.0132 0.0056
 Saturn -35638-03-08 17:45 J -11295289.94 -11295289.76 -11295289.55 0.0282 0.0199
 Jupiter -35637-11-16 14:09 J -11294671.04 -11294670.91 -11294670.76 0.0493 0.0405
 Pluto -35629-05-01 03:35 J -11291948.56 -11291948.35 -11291948.08 0.0064 0.0039
 Jupiter -35619-09-04 09:21 J -11288170.23 -11288170.11 -11288169.99 0.0530 0.0482
 Saturn -35608-04-26 08:09 J -11284283.28 -11284283.16 -11284283.03 0.0283 0.0253
 Uranus -35597-06-25 11:31 J -11280205.18 -11280205.02 -11280204.81 0.0146 0.0111
 Saturn -35594-06-24 02:52 J -11279111.66 -11279111.38 -11279111.08 0.0276 0.0106
 Neptune -35583-04-06 16:47 J -11275171.84 -11275171.80 -11275171.67 0.0088 0.0086
 Jupiter -35583-06-13 08:38 J -11275104.42 -11275104.14 -11275103.85 0.0533 0.0150
 Neptune -35581-03-02 14:52 J -11274476.16 -11274475.88 -11274475.55 0.0088 0.0039
 Neptune -35579-01-27 15:50 J -11273780.17 -11273779.84 -11273779.50 0.0088 0.0010
 Neptune -35578-12-24 17:16 J -11273084.03 -11273083.78 -11273083.52 0.0088 0.0058
 Uranus -35555-10-27 08:09 J -11264741.47 -11264741.16 -11264740.83 0.0132 0.0037
 Jupiter -35554-08-06 00:14 J -11264458.71 -11264458.49 -11264458.27 0.0498 0.0250
 Saturn -35550-08-03 15:50 J -11263000.08 -11262999.84 -11262999.58 0.0282 0.0120
 Jupiter -35518-05-09 17:45 J -11251398.01 -11251397.76 -11251397.52 0.0495 0.0134
 Uranus -35514-03-19 20:23 J -11249987.89 -11249987.65 -11249987.39 0.0147 0.0072
 Saturn -35506-11-18 05:59 J -11246822.49 -11246822.25 -11246821.99 0.0277 0.0163
 Neptune -35501-02-22 18:43 J -11245264.88 -11245264.72 -11245264.52 0.0089 0.0069
 Neptune -35499-01-16 18:28 J -11244571.00 -11244570.73 -11244570.44 0.0089 0.0027
 Neptune -35498-12-11 15:07 J -11243877.15 -11243876.87 -11243876.57 0.0089 0.0015
 Neptune -35496-11-04 10:47 J -11243183.26 -11243183.05 -11243182.81 0.0089 0.0057
 Jupiter -35482-02-10 01:40 J -11238337.45 -11238337.43 -11238337.39 0.0494 0.0490
 Uranus -35472-07-19 10:47 J -11234525.20 -11234525.05 -11234524.88 0.0132 0.0115
 Uranus -35470-06-22 23:59 J -11233821.56 -11233821.50 -11233821.41 0.0132 0.0129
 Jupiter -35465-11-27 16:19 J -11231837.03 -11231836.82 -11231836.59 0.0531 0.0357
 Saturn -35462-12-28 15:50 J -11230711.09 -11230710.84 -11230710.56 0.0282 0.0077
 Saturn -35447-02-21 00:43 J -11225542.58 -11225542.47 -11225542.32 0.0277 0.0251

Uranus -35430-11-13 01:26 J -11219068.71 -11219068.44 -11219068.16 0.0147 0.0030
 Jupiter -35429-09-05 11:59 J -11218771.25 -11218771.00 -11218770.74 0.0533 0.0269
 Neptune -35418-10-15 00:14 J -11214714.72 -11214714.49 -11214714.24 0.0088 0.0062
 Saturn -35417-04-14 00:28 J -11214532.61 -11214532.48 -11214532.31 0.0276 0.0243
 Neptune -35416-09-09 22:04 J -11214018.90 -11214018.58 -11214018.23 0.0088 0.0015
 Neptune -35414-08-06 22:19 J -11213322.86 -11213322.57 -11213322.24 0.0088 0.0035
 Neptune -35412-07-03 00:14 J -11212626.60 -11212626.49 -11212626.37 0.0088 0.0083
 Jupiter -35400-10-29 19:55 J -11208124.91 -11208124.67 -11208124.42 0.0497 0.0141
 Uranus -35387-03-15 02:52 J -11203605.70 -11203605.38 -11203605.04 0.0132 0.0024
 Pluto -35381-08-08 12:57 J -11201267.00 -11201266.96 -11201266.86 0.0064 0.0063
 Saturn -35373-05-24 07:26 J -11198421.46 -11198421.19 -11198420.91 0.0282 0.0006
 Jupiter -35364-08-02 05:59 J -11195064.47 -11195064.25 -11195064.02 0.0495 0.0225
 Saturn -35359-07-18 21:21 J -11193252.85 -11193252.61 -11193252.35 0.0277 0.0170
 Uranus -35345-07-08 04:33 J -11188149.44 -11188149.31 -11188149.17 0.0146 0.0129
 Neptune -35336-08-31 18:57 J -11184807.94 -11184807.71 -11184807.45 0.0089 0.0048
 Neptune -35334-07-26 17:59 J -11184114.04 -11184113.75 -11184113.45 0.0089 0.0006
 Neptune -35332-06-19 14:52 J -11183420.13 -11183419.88 -11183419.59 0.0089 0.0037
 Neptune -35330-05-14 10:04 J -11182726.19 -11182726.08 -11182725.92 0.0089 0.0079
 Jupiter -35310-02-21 03:35 J -11175503.62 -11175503.35 -11175503.07 0.0530 0.0219
 Uranus -35303-11-08 17:45 J -11172686.03 -11172685.76 -11172685.45 0.0132 0.0068
 Saturn -35285-10-18 00:14 J -11166132.76 -11166132.49 -11166132.21 0.0283 0.0031
 Jupiter -35281-04-21 00:28 J -11164851.62 -11164851.48 -11164851.33 0.0499 0.0411
 Jupiter -35275-11-30 17:59 J -11162436.91 -11162436.75 -11162436.57 0.0533 0.0439
 Saturn -35271-12-12 06:43 J -11160964.48 -11160964.22 -11160963.93 0.0277 0.0131
 Uranus -35262-04-01 15:50 J -11157932.10 -11157931.84 -11157931.56 0.0147 0.0051
 Neptune -35254-05-28 10:19 J -11154953.12 -11154953.07 -11154952.95 0.0088 0.0085
 Neptune -35252-04-23 07:40 J -11154257.48 -11154257.18 -11154256.87 0.0088 0.0038
 Neptune -35250-03-20 06:14 J -11153561.57 -11153561.24 -11153560.90 0.0088 0.0011
 Neptune -35248-02-13 05:59 J -11152865.47 -11152865.25 -11152864.98 0.0088 0.0060
 Jupiter -35245-01-23 14:38 J -11151791.15 -11151790.89 -11151790.64 0.0497 0.0035

Uranus -35220-07-31 18:28 J -11142469.96 -11142469.73 -11142469.45 0.0132 0.0086
 Jupiter -35210-10-27 05:16 J -11138730.46 -11138730.28 -11138730.09 0.0495 0.0336
 Saturn -35196-03-13 14:23 J -11133844.16 -11133843.90 -11133843.63 0.0282 0.0069
 Saturn -35182-05-08 16:47 J -11128675.10 -11128674.80 -11128674.49 0.0277 0.0068
 Uranus -35178-11-25 20:38 J -11127012.89 -11127012.64 -11127012.36 0.0146 0.0051
 Neptune -35172-04-15 21:07 J -11125044.77 -11125044.62 -11125044.41 0.0089 0.0070
 Neptune -35170-03-10 20:38 J -11124350.90 -11124350.64 -11124350.34 0.0089 0.0027
 Neptune -35168-02-01 19:40 J -11123656.97 -11123656.68 -11123656.39 0.0089 0.0016
 Neptune -35167-12-27 17:02 J -11122962.99 -11122962.79 -11122962.55 0.0089 0.0059
 Jupiter -35156-05-17 16:19 J -11119169.12 -11119168.82 -11119168.52 0.0531 0.0036
 Uranus -35135-03-27 08:23 J -11111550.49 -11111550.15 -11111549.82 0.0132 0.0004
 Jupiter -35127-07-16 00:14 J -11108517.69 -11108517.49 -11108517.28 0.0499 0.0291
 Saturn -35108-08-06 20:52 J -11101555.89 -11101555.63 -11101555.36 0.0283 0.0091
 Uranus -35095-08-19 07:55 J -11096795.28 -11096795.17 -11096795.01 0.0147 0.0129
 Saturn -35094-10-01 12:43 J -11096387.28 -11096386.97 -11096386.65 0.0276 0.0043
 Jupiter -35091-04-18 21:07 J -11095456.87 -11095456.62 -11095456.37 0.0497 0.0094
 Neptune -35089-12-04 20:52 J -11094495.83 -11094495.63 -11094495.35 0.0088 0.0062
 Neptune -35087-10-31 18:43 J -11093800.05 -11093799.72 -11093799.39 0.0088 0.0013
 Neptune -35085-09-26 16:47 J -11093104.08 -11093103.80 -11093103.47 0.0088 0.0037
 Neptune -35083-08-23 16:33 J -11092407.86 -11092407.81 -11092407.69 0.0088 0.0086
 Jupiter -35055-01-20 12:43 J -11082396.05 -11082395.97 -11082395.88 0.0495 0.0466
 Uranus -35051-11-20 21:35 J -11080630.82 -11080630.60 -11080630.35 0.0132 0.0095
 Pluto -35043-03-08 20:38 J -11077965.95 -11077965.64 -11077965.30 0.0079 0.0023
 Jupiter -35038-11-03 02:38 J -11075900.51 -11075900.39 -11075900.27 0.0529 0.0481
 Saturn -35020-12-30 18:43 J -11069267.97 -11069267.72 -11069267.46 0.0282 0.0105
 Uranus -35010-04-14 11:16 J -11065876.30 -11065876.03 -11065875.74 0.0146 0.0028
 Neptune -35007-10-24 00:28 J -11064587.71 -11064587.48 -11064587.21 0.0089 0.0048
 Saturn -35005-02-25 11:16 J -11064098.35 -11064098.03 -11064097.72 0.0277 0.0005
 Neptune -35005-09-16 23:45 J -11063893.80 -11063893.51 -11063893.21 0.0089 0.0004
 Neptune -35003-08-11 20:52 J -11063199.87 -11063199.63 -11063199.34 0.0089 0.0039

Jupiter -35002-08-12 02:52 J -11062834.66 -11062834.38 -11062834.09 0.0531 0.0147

Neptune -35001-07-05 19:11 J -11062505.81 -11062505.70 -11062505.58 0.0089 0.0081

35TH MILLENNIUM BCE

This is a list of transits of Mars in the 35th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-34973-10-09 11:02 J	-11052183.29	-11052183.04	-11052182.80	0.0499	0.0155		
Uranus	-34968-08-12 17:45 J	-11050415.04	-11050414.76	-11050414.44	0.0132	0.0061		
Jupiter	-34937-07-13 01:55 J	-11039122.65	-11039122.42	-11039122.19	0.0497	0.0218		
Saturn	-34931-05-26 08:23 J	-11036979.38	-11036979.15	-11036978.90	0.0282	0.0139		
Uranus	-34926-12-08 13:11 J	-11034957.19	-11034956.95	-11034956.69	0.0146	0.0071		
Neptune	-34925-07-18 15:07 J	-11034733.96	-11034733.87	-11034733.76	0.0088	0.0084		
Neptune	-34923-06-14 10:04 J	-11034038.39	-11034038.08	-11034037.78	0.0088	0.0036		
Neptune	-34921-05-10 06:57 J	-11033342.53	-11033342.21	-11033341.87	0.0088	0.0013		
Neptune	-34919-04-06 05:31 J	-11032646.48	-11032646.27	-11032646.00	0.0088	0.0063		
Saturn	-34917-07-20 10:33 J	-11031810.37	-11031810.06	-11031809.75	0.0277	0.0035		
Jupiter	-34883-01-27 17:45 J	-11019566.01	-11019565.76	-11019565.51	0.0528	0.0295		
Uranus	-34883-04-08 06:14 J	-11019495.56	-11019495.24	-11019494.91	0.0132	0.0028		
Saturn	-34873-09-01 09:35 J	-11015696.22	-11015696.10	-11015695.98	0.0281	0.0252		
Jupiter	-34854-04-01 18:57 J	-11008909.85	-11008909.71	-11008909.57	0.0501	0.0419		
Jupiter	-34848-11-05 21:50 J	-11006499.81	-11006499.59	-11006499.35	0.0531	0.0338		
Neptune	-34843-06-08 04:04 J	-11004824.51	-11004824.33	-11004824.14	0.0089	0.0070		
Uranus	-34843-08-31 18:43 J	-11004739.88	-11004739.72	-11004739.52	0.0146	0.0112		

Saturn -34843-10-19 10:47 J -11004691.28 -11004691.05 -11004690.82 0.0282 0.0157
 Neptune -34841-05-02 05:16 J -11004130.56 -11004130.28 -11004129.99 0.0089 0.0025
 Neptune -34839-03-27 04:19 J -11003436.60 -11003436.32 -11003436.02 0.0089 0.0019
 Neptune -34837-02-19 01:40 J -11002742.62 -11002742.43 -11002742.20 0.0089 0.0062
 Saturn -34829-12-14 06:28 J -10999521.52 -10999521.23 -10999520.92 0.0278 0.0082
 Jupiter -34818-01-03 09:21 J -10995849.36 -10995849.11 -10995848.85 0.0499 0.0048
 Uranus -34801-12-29 00:28 J -10989279.55 -10989279.48 -10989279.40 0.0132 0.0128
 Uranus -34799-12-02 16:04 J -10988575.97 -10988575.83 -10988575.64 0.0132 0.0116
 Pluto -34795-06-14 14:38 J -10987286.10 -10987285.89 -10987285.64 0.0080 0.0059
 Saturn -34784-01-25 17:45 J -10983407.90 -10983407.76 -10983407.58 0.0281 0.0228
 Jupiter -34783-10-07 05:16 J -10982788.46 -10982788.28 -10982788.08 0.0496 0.0336
 Neptune -34759-01-26 05:02 J -10974276.51 -10974276.29 -10974276.01 0.0088 0.0058
 Uranus -34758-04-26 21:07 J -10973820.90 -10973820.62 -10973820.33 0.0146 0.0015
 Neptune -34758-12-23 00:28 J -10973580.81 -10973580.48 -10973580.14 0.0088 0.0010
 Neptune -34756-11-17 21:35 J -10972884.89 -10972884.60 -10972884.29 0.0088 0.0040
 Saturn -34754-03-15 22:33 J -10972401.72 -10972401.56 -10972401.38 0.0282 0.0221
 Saturn -34740-05-10 02:38 J -10967232.65 -10967232.39 -10967232.11 0.0277 0.0139
 Jupiter -34729-04-22 20:38 J -10963231.92 -10963231.64 -10963231.35 0.0529 0.0138
 Uranus -34716-08-24 11:31 J -10958360.33 -10958360.02 -10958359.69 0.0132 0.0041
 Jupiter -34700-06-25 07:26 J -10952576.37 -10952576.19 -10952575.99 0.0501 0.0330
 Saturn -34696-06-22 11:31 J -10951118.24 -10951118.02 -10951117.78 0.0281 0.0154
 Jupiter -34693-01-30 11:16 J -10950166.16 -10950166.03 -10950165.88 0.0531 0.0467
 Neptune -34678-12-16 10:04 J -10944367.33 -10944367.08 -10944366.83 0.0089 0.0047
 Neptune -34676-11-09 11:02 J -10943673.33 -10943673.04 -10943672.74 0.0089 0.0002
 Neptune -34674-10-04 09:50 J -10942979.33 -10942979.09 -10942978.81 0.0089 0.0042
 Uranus -34674-12-20 22:33 J -10942901.78 -10942901.56 -10942901.32 0.0146 0.0084
 Neptune -34672-08-28 07:11 J -10942285.27 -10942285.20 -10942285.11 0.0089 0.0085
 Saturn -34666-08-09 16:19 J -10940112.91 -10940112.82 -10940112.70 0.0282 0.0260
 Jupiter -34664-03-29 07:11 J -10939515.45 -10939515.20 -10939514.94 0.0498 0.0062
 Saturn -34652-10-04 03:50 J -10934943.56 -10934943.34 -10934943.12 0.0278 0.0195

Pluto -34634-04-23 14:23 J -10928533.16 -10928532.90 -10928532.61 0.0064 0.0022
 Uranus -34631-04-19 19:40 J -10927440.97 -10927440.68 -10927440.35 0.0132 0.0047
 Jupiter -34629-12-30 18:28 J -10926454.85 -10926454.73 -10926454.59 0.0497 0.0423
 Saturn -34608-11-16 10:04 J -10918829.32 -10918829.08 -10918828.82 0.0281 0.0111
 Neptune -34596-09-09 03:50 J -10914514.44 -10914514.34 -10914514.17 0.0088 0.0081
 Neptune -34594-08-05 21:50 J -10913818.88 -10913818.59 -10913818.26 0.0088 0.0032
 Saturn -34593-01-07 11:31 J -10913664.17 -10913664.02 -10913663.84 0.0279 0.0237
 Neptune -34592-07-01 17:16 J -10913123.10 -10913122.78 -10913122.44 0.0088 0.0018
 Uranus -34591-09-13 07:11 J -10912684.40 -10912684.20 -10912683.97 0.0146 0.0097
 Neptune -34590-05-28 13:55 J -10912427.10 -10912426.92 -10912426.66 0.0088 0.0068
 Jupiter -34575-07-17 03:07 J -10906898.66 -10906898.37 -10906898.07 0.0529 0.0021
 Saturn -34563-02-28 21:21 J -10902653.62 -10902653.61 -10902653.56 0.0277 0.0276
 Uranus -34548-01-09 11:45 J -10897225.16 -10897225.01 -10897224.80 0.0132 0.0112
 Jupiter -34546-09-19 03:07 J -10896242.60 -10896242.37 -10896242.14 0.0500 0.0223
 Saturn -34519-04-13 06:14 J -10886539.51 -10886539.24 -10886538.96 0.0281 0.0033
 Neptune -34514-07-31 16:19 J -10884604.01 -10884603.82 -10884603.62 0.0089 0.0068
 Neptune -34512-06-24 17:16 J -10883910.07 -10883909.78 -10883909.49 0.0089 0.0023
 Neptune -34510-05-19 17:45 J -10883216.04 -10883215.76 -10883215.46 0.0089 0.0022
 Jupiter -34510-06-22 16:19 J -10883182.06 -10883181.82 -10883181.57 0.0499 0.0148
 Neptune -34508-04-12 16:47 J -10882521.97 -10882521.80 -10882521.58 0.0089 0.0066
 Uranus -34506-05-09 09:21 J -10881765.39 -10881765.11 -10881764.82 0.0146 0.0003
 Saturn -34505-06-03 10:47 J -10881374.31 -10881374.05 -10881373.78 0.0278 0.0151
 Uranus -34464-09-04 18:43 J -10866306.04 -10866305.72 -10866305.38 0.0132 0.0026
 Jupiter -34456-01-01 01:26 J -10863630.55 -10863630.44 -10863630.32 0.0526 0.0482
 Saturn -34431-09-07 04:47 J -10854250.58 -10854250.30 -10854250.03 0.0281 0.0011
 Neptune -34430-03-19 19:55 J -10854056.90 -10854056.67 -10854056.37 0.0088 0.0055
 Neptune -34428-02-12 15:21 J -10853361.20 -10853360.86 -10853360.53 0.0088 0.0005
 Neptune -34426-01-09 10:33 J -10852665.32 -10852665.06 -10852664.75 0.0088 0.0045
 Uranus -34421-01-02 08:23 J -10850846.35 -10850846.15 -10850845.94 0.0146 0.0098
 Jupiter -34421-10-10 02:23 J -10850564.69 -10850564.40 -10850564.11 0.0529 0.0130

Saturn -34417-10-28 04:19 J -10849085.61 -10849085.32 -10849085.02 0.0278 0.0101
 Jupiter -34392-12-12 16:04 J -10839909.08 -10839908.83 -10839908.59 0.0501 0.0127
 Pluto -34386-07-31 13:26 J -10837852.19 -10837851.94 -10837851.64 0.0064 0.0025
 Uranus -34379-05-01 01:11 J -10835386.74 -10835386.45 -10835386.14 0.0132 0.0060
 Jupiter -34356-09-15 10:33 J -10826848.29 -10826848.06 -10826847.84 0.0498 0.0249
 Neptune -34350-03-15 20:52 J -10824840.63 -10824840.63 -10824840.58 0.0089 0.0089
 Neptune -34348-02-07 01:40 J -10824146.68 -10824146.43 -10824146.16 0.0089 0.0043
 Neptune -34346-01-02 02:23 J -10823452.69 -10823452.40 -10823452.10 0.0089 0.0002
 Neptune -34345-11-26 02:52 J -10822758.64 -10822758.38 -10822758.13 0.0089 0.0046
 Saturn -34342-02-01 04:47 J -10821961.57 -10821961.30 -10821961.04 0.0281 0.0061
 Uranus -34339-09-25 13:40 J -10820629.16 -10820628.93 -10820628.70 0.0146 0.0084
 Saturn -34328-03-24 22:19 J -10816795.88 -10816795.57 -10816795.25 0.0278 0.0027
 Jupiter -34302-03-28 04:47 J -10807296.53 -10807296.30 -10807296.06 0.0527 0.0324
 Uranus -34296-01-20 13:55 J -10805171.12 -10805170.92 -10805170.69 0.0132 0.0100
 Jupiter -34273-06-03 16:33 J -10796635.95 -10796635.81 -10796635.64 0.0503 0.0398
 Neptune -34267-10-31 22:47 J -10794294.68 -10794294.55 -10794294.34 0.0088 0.0077
 Jupiter -34266-01-03 17:16 J -10794231.03 -10794230.78 -10794230.52 0.0529 0.0274
 Neptune -34265-09-26 15:35 J -10793599.16 -10793598.85 -10793598.53 0.0088 0.0027
 Neptune -34263-08-23 10:19 J -10792903.38 -10792903.07 -10792902.73 0.0088 0.0024
 Neptune -34261-07-19 05:59 J -10792207.41 -10792207.25 -10792207.04 0.0088 0.0074
 Uranus -34254-05-21 10:47 J -10789710.33 -10789710.05 -10789709.76 0.0146 0.0010
 Saturn -34254-06-27 15:50 J -10789673.09 -10789672.84 -10789672.57 0.0281 0.0090
 Saturn -34240-08-17 22:47 J -10784507.86 -10784507.55 -10784507.23 0.0277 0.0005
 Jupiter -34237-03-07 18:57 J -10783574.97 -10783574.71 -10783574.45 0.0500 0.0006
 Uranus -34212-09-15 19:40 J -10774252.00 -10774251.68 -10774251.34 0.0132 0.0016
 Jupiter -34202-12-10 15:07 J -10770514.04 -10770513.87 -10770513.70 0.0498 0.0373
 Neptune -34185-09-22 06:57 J -10764383.39 -10764383.21 -10764382.98 0.0089 0.0064
 Neptune -34183-08-17 11:02 J -10763689.33 -10763689.04 -10763688.75 0.0089 0.0018
 Neptune -34181-07-11 11:31 J -10762995.29 -10762995.02 -10762994.72 0.0089 0.0027
 Neptune -34179-06-05 10:33 J -10762301.20 -10762301.06 -10762300.86 0.0089 0.0072

Uranus -34169-01-14 09:35 J -10758791.29 -10758791.10 -10758790.90 0.0146 0.0104
 Saturn -34166-11-20 17:02 J -10757385.04 -10757384.79 -10757384.53 0.0281 0.0108
 Saturn -34151-01-11 22:47 J -10752218.85 -10752218.55 -10752218.23 0.0278 0.0056
 Jupiter -34148-06-21 11:16 J -10750962.31 -10750962.03 -10750961.74 0.0526 0.0154
 Uranus -34127-05-11 23:45 J -10743332.77 -10743332.51 -10743332.20 0.0132 0.0070
 Jupiter -34119-08-29 02:52 J -10740301.59 -10740301.38 -10740301.15 0.0502 0.0261
 Jupiter -34112-03-30 16:04 J -10737895.96 -10737895.83 -10737895.69 0.0530 0.0471
 Neptune -34101-05-10 17:45 J -10733837.02 -10733836.76 -10733836.47 0.0088 0.0049
 Neptune -34099-04-06 10:33 J -10733141.39 -10733141.06 -10733140.72 0.0088 0.0002
 Neptune -34097-03-02 05:31 J -10732445.53 -10732445.27 -10732444.99 0.0088 0.0052
 Uranus -34087-10-07 15:50 J -10728574.08 -10728573.84 -10728573.59 0.0146 0.0077
 Jupiter -34083-06-01 23:59 J -10727240.74 -10727240.50 -10727240.25 0.0500 0.0121
 Saturn -34077-04-15 01:55 J -10725096.65 -10725096.42 -10725096.17 0.0281 0.0135
 Saturn -34063-06-06 17:02 J -10719931.08 -10719930.79 -10719930.48 0.0278 0.0082
 Pluto -34048-02-25 03:50 J -10714553.40 -10714553.34 -10714553.27 0.0079 0.0078
 Uranus -34044-01-31 11:59 J -10713117.22 -10713117.00 -10713116.73 0.0132 0.0091
 Neptune -34021-05-07 14:09 J -10704619.96 -10704619.91 -10704619.78 0.0089 0.0086
 Neptune -34019-04-01 18:14 J -10703925.99 -10703925.74 -10703925.45 0.0089 0.0039
 Saturn -34019-07-23 05:02 J -10703813.38 -10703813.29 -10703813.18 0.0280 0.0259
 Neptune -34017-02-24 21:50 J -10703231.88 -10703231.59 -10703231.29 0.0089 0.0007
 Neptune -34015-01-18 23:16 J -10702537.77 -10702537.53 -10702537.29 0.0089 0.0052
 Uranus -34002-06-02 15:35 J -10697655.13 -10697654.85 -10697654.56 0.0146 0.0020

34TH MILLENNIUM BCE

This is a list of transits of Mars in the 34th millennium BCE.

	FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT								
	TIME								
Jupiter	-33994-09-16	08:52	J	-10694627.42	-10694627.13	-10694626.83	0.0527	0.0035	
Saturn	-33989-09-07	21:35	J	-10692808.82	-10692808.60	-10692808.35	0.0281	0.0145	
Saturn	-33975-10-31	08:23	J	-10687642.43	-10687642.15	-10687641.87	0.0279	0.0125	
Jupiter	-33965-11-22	04:47	J	-10683967.54	-10683967.30	-10683967.05	0.0503	0.0147	
Uranus	-33960-09-26	16:04	J	-10682198.16	-10682197.83	-10682197.49	0.0132	0.0007	
Neptune	-33938-12-23	21:35	J	-10674074.77	-10674074.60	-10674074.37	0.0088	0.0071	
Neptune	-33936-11-18	13:26	J	-10673379.25	-10673378.94	-10673378.60	0.0088	0.0021	
Neptune	-33934-10-15	06:28	J	-10672683.52	-10672683.23	-10672682.90	0.0088	0.0030	
Neptune	-33932-09-10	01:40	J	-10671987.55	-10671987.43	-10671987.29	0.0088	0.0081	
Saturn	-33931-12-16	05:31	J	-10671525.39	-10671525.27	-10671525.13	0.0280	0.0245	
Jupiter	-33929-08-26	07:40	J	-10670906.40	-10670906.18	-10670905.95	0.0500	0.0247	
Uranus	-33917-01-26	13:55	J	-10666736.07	-10666735.92	-10666735.73	0.0146	0.0116	
Saturn	-33900-02-01	23:16	J	-10660519.71	-10660519.53	-10660519.32	0.0281	0.0197	
Saturn	-33886-03-26	18:28	J	-10655353.97	-10655353.73	-10655353.47	0.0278	0.0172	
Jupiter	-33875-03-04	01:40	J	-10651358.62	-10651358.43	-10651358.24	0.0525	0.0395	
Uranus	-33875-05-22	20:23	J	-10651278.90	-10651278.65	-10651278.36	0.0132	0.0078	
Neptune	-33856-11-15	02:38	J	-10644162.60	-10644162.39	-10644162.15	0.0089	0.0060	
Neptune	-33854-10-10	05:45	J	-10643468.54	-10643468.26	-10643467.95	0.0089	0.0013	
Neptune	-33852-09-03	07:40	J	-10642774.44	-10642774.18	-10642773.89	0.0089	0.0033	
Neptune	-33850-07-29	09:07	J	-10642080.24	-10642080.12	-10642079.96	0.0089	0.0078	
Jupiter	-33846-05-15	00:28	J	-10640694.61	-10640694.48	-10640694.34	0.0505	0.0431	
Saturn	-33842-05-12	14:38	J	-10639236.09	-10639235.89	-10639235.68	0.0280	0.0182	
Jupiter	-33840-12-10	07:11	J	-10638293.47	-10638293.20	-10638292.92	0.0527	0.0176	
Uranus	-33835-10-19	19:55	J	-10636518.92	-10636518.67	-10636518.41	0.0146	0.0065	
Saturn	-33812-06-28	10:19	J	-10628231.21	-10628231.07	-10628230.89	0.0281	0.0227	
Jupiter	-33810-02-16	07:40	J	-10627633.44	-10627633.18	-10627632.93	0.0502	0.0028	
Pluto	-33800-06-02	20:38	J	-10623873.97	-10623873.64	-10623873.29	0.0079	0.0007	

Saturn -33798-08-20 14:38 J -10623065.08 -10623064.89 -10623064.71 0.0279 0.0225
 Uranus -33792-02-11 06:14 J -10621063.47 -10621063.24 -10621062.95 0.0132 0.0084
 Jupiter -33775-11-20 00:14 J -10614572.67 -10614572.49 -10614572.30 0.0500 0.0341
 Neptune -33772-07-02 17:31 J -10613617.05 -10613616.77 -10613616.47 0.0088 0.0043
 Neptune -33770-05-29 09:21 J -10612921.43 -10612921.11 -10612920.77 0.0088 0.0008
 Neptune -33768-04-24 03:21 J -10612225.60 -10612225.36 -10612225.11 0.0088 0.0059
 Saturn -33754-10-06 08:09 J -10606947.38 -10606947.16 -10606946.92 0.0280 0.0145
 Uranus -33750-06-14 16:33 J -10605600.09 -10605599.81 -10605599.53 0.0146 0.0027
 Saturn -33740-11-22 08:23 J -10601786.32 -10601786.15 -10601785.96 0.0280 0.0230
 Jupiter -33721-05-27 14:38 J -10595025.13 -10595024.89 -10595024.63 0.0524 0.0270
 Uranus -33708-10-07 11:45 J -10590144.35 -10590144.01 -10590143.68 0.0132 0.0001
 Neptune -33692-06-30 09:21 J -10584399.22 -10584399.11 -10584398.97 0.0089 0.0081
 Jupiter -33692-08-07 21:50 J -10584360.78 -10584360.59 -10584360.38 0.0504 0.0320
 Neptune -33690-05-25 14:52 J -10583705.15 -10583704.88 -10583704.60 0.0089 0.0034
 Neptune -33688-04-18 17:45 J -10583011.05 -10583010.76 -10583010.46 0.0089 0.0013
 Neptune -33686-03-13 19:11 J -10582316.90 -10582316.70 -10582316.46 0.0089 0.0059
 Jupiter -33685-03-05 10:33 J -10581959.29 -10581959.06 -10581958.83 0.0527 0.0326
 Uranus -33665-02-07 13:11 J -10574681.11 -10574680.95 -10574680.78 0.0146 0.0119
 Saturn -33665-03-02 05:59 J -10574657.52 -10574657.25 -10574656.98 0.0279 0.0063
 Jupiter -33656-05-11 16:33 J -10571300.06 -10571299.81 -10571299.55 0.0502 0.0058
 Saturn -33651-04-19 04:47 J -10569496.56 -10569496.30 -10569496.02 0.0280 0.0146
 Pluto -33639-04-14 10:04 J -10565118.20 -10565118.08 -10565117.89 0.0065 0.0055
 Uranus -33623-06-02 15:07 J -10559225.12 -10559224.87 -10559224.60 0.0132 0.0083
 Jupiter -33620-02-12 10:04 J -10558239.21 -10558239.08 -10558238.94 0.0500 0.0423
 Neptune -33608-02-13 22:47 J -10553854.75 -10553854.55 -10553854.30 0.0088 0.0065
 Neptune -33606-01-10 12:43 J -10553159.29 -10553158.97 -10553158.63 0.0088 0.0014
 Neptune -33605-12-06 05:02 J -10552463.58 -10552463.29 -10552462.98 0.0088 0.0037
 Neptune -33603-11-01 23:02 J -10551767.54 -10551767.54 -10551767.49 0.0088 0.0088
 Uranus -33583-10-31 17:31 J -10544464.01 -10544463.77 -10544463.49 0.0146 0.0063
 Saturn -33577-07-27 08:38 J -10542368.41 -10542368.14 -10542367.87 0.0280 0.0015

Jupiter -33567-08-21 10:47 J -10538691.33 -10538691.05 -10538690.76 0.0525 0.0134
 Saturn -33563-09-13 03:07 J -10537207.67 -10537207.37 -10537207.06 0.0280 0.0088
 Uranus -33540-02-22 03:21 J -10529009.60 -10529009.36 -10529009.06 0.0132 0.0077
 Jupiter -33538-11-01 06:43 J -10528027.45 -10528027.22 -10528026.99 0.0504 0.0233
 Jupiter -33531-05-29 09:21 J -10525626.27 -10525626.11 -10525625.94 0.0527 0.0432
 Neptune -33526-01-07 21:07 J -10523941.83 -10523941.62 -10523941.36 0.0089 0.0055
 Neptune -33525-12-02 02:52 J -10523247.67 -10523247.38 -10523247.08 0.0089 0.0008
 Neptune -33523-10-27 05:31 J -10522553.52 -10522553.27 -10522552.99 0.0089 0.0039
 Neptune -33521-09-20 06:14 J -10521859.30 -10521859.24 -10521859.13 0.0089 0.0085
 Jupiter -33502-08-05 05:59 J -10514966.49 -10514966.25 -10514966.00 0.0502 0.0150
 Uranus -33498-06-26 17:02 J -10513545.07 -10513544.79 -10513544.51 0.0146 0.0033
 Saturn -33489-12-21 17:45 J -10510079.02 -10510078.76 -10510078.48 0.0280 0.0048
 Saturn -33474-02-08 05:02 J -10504917.60 -10504917.29 -10504916.97 0.0279 0.0005
 Uranus -33456-10-18 07:26 J -10498090.52 -10498090.19 -10498089.85 0.0132 0.0007
 Neptune -33445-09-28 06:43 J -10494092.26 -10494092.22 -10494092.12 0.0088 0.0087
 Neptune -33443-08-24 18:57 J -10493396.99 -10493396.71 -10493396.39 0.0088 0.0037
 Neptune -33441-07-20 09:07 J -10492701.44 -10492701.12 -10492700.79 0.0088 0.0015
 Neptune -33439-06-16 00:28 J -10492005.66 -10492005.48 -10492005.22 0.0088 0.0067
 Uranus -33415-03-20 00:57 J -10483327.48 -10483327.46 -10483327.43 0.0146 0.0146
 Uranus -33413-02-19 16:33 J -10482625.91 -10482625.81 -10482625.65 0.0146 0.0129
 Jupiter -33413-11-13 18:43 J -10482358.01 -10482357.72 -10482357.42 0.0525 0.0010
 Saturn -33400-05-17 11:16 J -10477790.28 -10477790.03 -10477789.76 0.0280 0.0085
 Pluto -33391-07-22 17:31 J -10474437.04 -10474436.77 -10474436.49 0.0065 0.0025
 Saturn -33386-07-04 14:23 J -10472629.21 -10472628.90 -10472628.58 0.0279 0.0039
 Jupiter -33383-01-25 05:02 J -10471693.54 -10471693.29 -10471693.04 0.0504 0.0120
 Uranus -33371-06-13 11:59 J -10467171.21 -10467171.00 -10467170.72 0.0132 0.0091
 Neptune -33363-08-23 03:07 J -10464178.51 -10464178.37 -10464178.20 0.0089 0.0076
 Neptune -33361-07-17 09:07 J -10463484.40 -10463484.12 -10463483.83 0.0089 0.0029
 Neptune -33359-06-11 13:40 J -10462790.21 -10462789.93 -10462789.62 0.0089 0.0019
 Neptune -33357-05-05 16:33 J -10462096.00 -10462095.81 -10462095.60 0.0089 0.0066

Jupiter -33348-10-29 06:43 J -10458632.43 -10458632.22 -10458631.99 0.0502 0.0266
 Uranus -33331-11-12 23:59 J -10452408.76 -10452408.50 -10452408.22 0.0146 0.0050
 Saturn -33312-10-10 19:40 J -10445501.93 -10445501.68 -10445501.43 0.0280 0.0111
 Saturn -33298-11-28 23:16 J -10440339.82 -10440339.53 -10440339.23 0.0279 0.0102
 Jupiter -33294-05-02 20:23 J -10439088.82 -10439088.65 -10439088.47 0.0522 0.0413
 Uranus -33288-03-05 00:14 J -10436955.77 -10436955.49 -10436955.20 0.0132 0.0069
 Neptune -33279-04-08 00:43 J -10433634.71 -10433634.47 -10433634.22 0.0088 0.0059
 Neptune -33277-03-03 13:26 J -10432939.26 -10432938.94 -10432938.60 0.0088 0.0008
 Neptune -33275-01-28 03:21 J -10432243.62 -10432243.36 -10432243.05 0.0088 0.0044
 Jupiter -33265-07-17 04:47 J -10428420.46 -10428420.30 -10428420.13 0.0506 0.0389
 Jupiter -33258-02-08 11:02 J -10426023.31 -10426023.04 -10426022.76 0.0525 0.0166
 Uranus -33246-07-08 23:02 J -10421489.82 -10421489.54 -10421489.27 0.0146 0.0044
 Jupiter -33229-04-20 09:35 J -10415359.36 -10415359.10 -10415358.85 0.0504 0.0008
 Saturn -33223-03-06 05:02 J -10413213.52 -10413213.29 -10413213.04 0.0280 0.0139
 Saturn -33209-04-22 19:55 J -10408051.95 -10408051.67 -10408051.39 0.0279 0.0129
 Uranus -33204-10-29 05:16 J -10406036.61 -10406036.28 -10406035.94 0.0132 0.0014
 Neptune -33197-03-01 15:35 J -10403721.10 -10403720.85 -10403720.60 0.0089 0.0051
 Neptune -33195-01-24 20:52 J -10403026.93 -10403026.63 -10403026.33 0.0089 0.0003
 Neptune -33194-12-20 00:57 J -10402332.70 -10402332.46 -10402332.18 0.0089 0.0045
 Jupiter -33193-01-23 15:07 J -10402298.03 -10402297.87 -10402297.71 0.0501 0.0393
 Saturn -33165-06-12 13:55 J -10391930.03 -10391929.92 -10391929.81 0.0278 0.0254
 Uranus -33163-04-01 02:09 J -10391272.49 -10391272.41 -10391272.31 0.0146 0.0139
 Uranus -33161-03-02 21:07 J -10390570.72 -10390570.62 -10390570.51 0.0146 0.0136
 Pluto -33143-10-29 23:59 J -10383755.79 -10383755.50 -10383755.20 0.0064 0.0007
 Jupiter -33140-07-27 17:31 J -10382754.04 -10382753.77 -10382753.51 0.0523 0.0235
 Saturn -33135-07-30 00:28 J -10380925.70 -10380925.48 -10380925.24 0.0280 0.0148
 Saturn -33121-09-16 09:50 J -10375763.33 -10375763.09 -10375762.83 0.0280 0.0174
 Uranus -33119-06-24 09:21 J -10375117.30 -10375117.11 -10375116.85 0.0132 0.0098
 Neptune -33116-11-20 07:55 J -10373872.28 -10373872.17 -10373872.04 0.0088 0.0082
 Neptune -33114-10-16 17:59 J -10373177.03 -10373176.75 -10373176.42 0.0088 0.0032

Neptune -33112-09-11 07:40 J -10372481.49 -10372481.18 -10372480.85 0.0088 0.0021

Jupiter -33111-10-11 09:35 J -10372086.32 -10372086.10 -10372085.88 0.0506 0.0270

Neptune -33110-08-07 21:50 J -10371785.75 -10371785.59 -10371785.37 0.0088 0.0073

Jupiter -33104-05-04 18:14 J -10369688.96 -10369688.74 -10369688.49 0.0525 0.0321

Uranus -33079-11-25 01:26 J -10360353.70 -10360353.44 -10360353.16 0.0146 0.0045

Saturn -33077-11-05 10:04 J -10359642.20 -10359642.08 -10359641.94 0.0278 0.0245

Jupiter -33075-07-15 20:38 J -10359024.89 -10359024.64 -10359024.39 0.0503 0.0136

Saturn -33047-12-23 19:11 J -10348636.89 -10348636.70 -10348636.49 0.0279 0.0190

Uranus -33036-03-16 01:55 J -10344901.70 -10344901.42 -10344901.10 0.0132 0.0060

Neptune -33034-10-15 17:02 J -10343957.94 -10343957.79 -10343957.59 0.0089 0.0073

Saturn -33032-02-09 10:33 J -10343475.27 -10343475.06 -10343474.85 0.0280 0.0209

Neptune -33032-09-09 01:26 J -10343263.72 -10343263.44 -10343263.14 0.0089 0.0025

Neptune -33030-08-04 06:28 J -10342569.52 -10342569.23 -10342568.94 0.0089 0.0023

Neptune -33028-06-28 09:35 J -10341875.25 -10341875.10 -10341874.89 0.0089 0.0071

33RD MILLENNIUM BCE

This is a list of transits of Mars in the 33rd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-32994-07-21 00:28 J	-10329434.74	-10329434.48	-10329434.20	0.0146	0.0050		
Saturn	-32988-04-01 11:02 J	-10327353.23	-10327353.04	-10327352.83	0.0278	0.0192		
Jupiter	-32986-10-21 23:59 J	-10326419.79	-10326419.50	-10326419.21	0.0523	0.0086		
Saturn	-32974-05-14 12:57 J	-10322197.02	-10322196.96	-10322196.87	0.0281	0.0272		
Saturn	-32958-05-18 23:31 J	-10316348.70	-10316348.52	-10316348.34	0.0279	0.0210		

Jupiter -32956-01-04 18:28 J -10315751.97 -10315751.73 -10315751.47 0.0506 0.0141
 Uranus -32952-11-09 08:38 J -10313982.46 -10313982.14 -10313981.80 0.0132 0.0025
 Neptune -32950-05-30 23:31 J -10313414.77 -10313414.52 -10313414.26 0.0088 0.0055
 Jupiter -32950-07-30 16:33 J -10313353.90 -10313353.81 -10313353.71 0.0525 0.0497
 Neptune -32948-04-25 10:19 J -10312719.40 -10312719.07 -10312718.74 0.0088 0.0003
 Neptune -32946-03-21 23:59 J -10312023.76 -10312023.50 -10312023.21 0.0088 0.0049
 Saturn -32944-07-05 21:35 J -10311186.71 -10311186.60 -10311186.45 0.0281 0.0255
 Jupiter -32921-10-08 18:57 J -10302690.93 -10302690.71 -10302690.48 0.0504 0.0239
 Uranus -32911-04-13 09:21 J -10299217.24 -10299217.11 -10299216.96 0.0146 0.0128
 Saturn -32900-08-25 20:52 J -10295064.84 -10295064.63 -10295064.40 0.0278 0.0165
 Pluto -32894-02-06 11:45 J -10293074.27 -10293074.01 -10293073.72 0.0064 0.0027
 Saturn -32886-10-08 01:26 J -10289908.62 -10289908.44 -10289908.24 0.0282 0.0226
 Uranus -32869-08-01 01:55 J -10283766.46 -10283766.42 -10283766.32 0.0132 0.0129
 Neptune -32868-04-24 03:07 J -10283500.61 -10283500.37 -10283500.10 0.0089 0.0047
 Jupiter -32867-04-09 03:21 J -10283150.46 -10283150.36 -10283150.26 0.0520 0.0486
 Uranus -32867-07-05 16:47 J -10283062.95 -10283062.80 -10283062.59 0.0132 0.0111
 Neptune -32866-03-19 11:16 J -10282806.33 -10282806.03 -10282805.73 0.0089 0.0001
 Neptune -32864-02-10 16:19 J -10282112.06 -10282111.82 -10282111.56 0.0089 0.0049
 Jupiter -32838-06-27 05:02 J -10272479.41 -10272479.29 -10272479.15 0.0508 0.0438
 Jupiter -32831-01-15 10:19 J -10270085.36 -10270085.07 -10270084.78 0.0523 0.0067
 Uranus -32827-12-07 12:28 J -10268298.26 -10268297.98 -10268297.70 0.0146 0.0030
 Saturn -32811-01-20 13:55 J -10262775.17 -10262774.92 -10262774.66 0.0278 0.0089
 Jupiter -32802-03-31 07:26 J -10259418.45 -10259418.19 -10259417.93 0.0506 0.0051
 Saturn -32797-03-03 14:38 J -10257619.16 -10257618.89 -10257618.62 0.0281 0.0149
 Neptune -32786-01-12 03:21 J -10253652.49 -10253652.36 -10253652.19 0.0088 0.0079
 Neptune -32785-12-07 13:26 J -10252957.24 -10252956.94 -10252956.62 0.0088 0.0028
 Uranus -32784-03-27 10:19 J -10252847.38 -10252847.07 -10252846.75 0.0132 0.0044
 Neptune -32783-11-03 00:43 J -10252261.77 -10252261.47 -10252261.14 0.0088 0.0025
 Neptune -32781-09-28 13:55 J -10251566.04 -10251565.92 -10251565.72 0.0088 0.0078
 Jupiter -32766-01-02 06:57 J -10246357.40 -10246357.21 -10246357.01 0.0503 0.0324

Uranus -32742-08-02 15:21 J -10237379.09 -10237378.86 -10237378.59 0.0146 0.0069
 Saturn -32723-06-16 15:50 J -10230486.11 -10230485.84 -10230485.57 0.0278 0.0042
 Jupiter -32713-07-03 01:40 J -10226816.64 -10226816.43 -10226816.22 0.0521 0.0355
 Saturn -32709-07-28 13:11 J -10225330.24 -10225329.95 -10225329.64 0.0282 0.0089
 Neptune -32705-12-07 03:21 J -10223737.51 -10223737.36 -10223737.15 0.0089 0.0071
 Neptune -32703-11-01 11:16 J -10223043.30 -10223043.03 -10223042.72 0.0089 0.0022
 Neptune -32701-09-25 18:14 J -10222349.01 -10222348.74 -10222348.44 0.0089 0.0027
 Uranus -32700-11-20 19:26 J -10221928.00 -10221927.69 -10221927.37 0.0132 0.0040
 Neptune -32699-08-20 23:16 J -10221654.66 -10221654.53 -10221654.34 0.0089 0.0075
 Jupiter -32684-09-19 12:28 J -10216146.16 -10216145.98 -10216145.79 0.0508 0.0354
 Jupiter -32677-04-09 11:02 J -10213752.32 -10213752.04 -10213751.76 0.0523 0.0171
 Uranus -32659-04-25 21:35 J -10207161.76 -10207161.60 -10207161.39 0.0146 0.0112
 Jupiter -32648-06-23 18:14 J -10203085.00 -10203084.74 -10203084.48 0.0505 0.0038
 Pluto -32646-05-16 21:07 J -10202392.80 -10202392.62 -10202392.40 0.0064 0.0048
 Saturn -32635-11-11 07:26 J -10198196.46 -10198196.19 -10198195.91 0.0278 0.0031
 Neptune -32621-07-21 15:21 J -10193195.09 -10193194.86 -10193194.57 0.0088 0.0053
 Saturn -32621-12-23 19:40 J -10193040.00 -10193039.68 -10193039.36 0.0281 0.0004
 Neptune -32619-06-17 02:09 J -10192499.74 -10192499.41 -10192499.08 0.0088 0.0000
 Neptune -32617-05-12 13:26 J -10191804.18 -10191803.94 -10191803.64 0.0088 0.0053
 Uranus -32617-08-12 14:23 J -10191712.06 -10191711.90 -10191711.71 0.0132 0.0112
 Uranus -32615-07-17 03:35 J -10191008.43 -10191008.35 -10191008.22 0.0132 0.0125
 Jupiter -32612-03-27 23:59 J -10190023.63 -10190023.50 -10190023.36 0.0503 0.0424
 Uranus -32575-12-19 23:02 J -10176242.83 -10176242.54 -10176242.26 0.0147 0.0016
 Jupiter -32559-09-26 04:33 J -10170483.56 -10170483.31 -10170483.05 0.0520 0.0246
 Saturn -32546-04-07 08:09 J -10165907.42 -10165907.16 -10165906.90 0.0278 0.0077
 Neptune -32539-06-16 11:16 J -10163280.29 -10163280.03 -10163279.76 0.0089 0.0045
 Neptune -32537-05-10 18:28 J -10162586.03 -10162585.73 -10162585.42 0.0089 0.0004
 Neptune -32535-04-04 23:59 J -10161891.71 -10161891.50 -10161891.22 0.0089 0.0053
 Uranus -32532-04-08 01:26 J -10160792.76 -10160792.44 -10160792.11 0.0132 0.0027
 Saturn -32532-05-19 12:43 J -10160751.27 -10160750.97 -10160750.65 0.0281 0.0057

Jupiter -32530-12-14 05:31 J -10159812.49 -10159812.27 -10159812.04 0.0507 0.0250
 Jupiter -32523-07-04 10:33 J -10157418.29 -10157418.06 -10157417.82 0.0524 0.0311
 Jupiter -32494-09-17 13:55 J -10146751.17 -10146750.92 -10146750.67 0.0506 0.0145
 Uranus -32490-08-15 00:14 J -10145323.72 -10145323.49 -10145323.24 0.0146 0.0080
 Saturn -32458-09-01 02:09 J -10133618.65 -10133618.41 -10133618.16 0.0278 0.0118
 Neptune -32457-03-04 16:47 J -10133432.92 -10133432.80 -10133432.61 0.0088 0.0078
 Neptune -32455-01-29 00:43 J -10132737.76 -10132737.47 -10132737.14 0.0088 0.0026
 Neptune -32454-12-25 11:31 J -10132042.32 -10132042.02 -10132041.70 0.0088 0.0027
 Neptune -32452-11-19 23:45 J -10131346.62 -10131346.51 -10131346.33 0.0088 0.0080
 Uranus -32448-12-02 12:14 J -10129873.28 -10129872.99 -10129872.68 0.0132 0.0059
 Saturn -32444-10-14 06:14 J -10128461.51 -10128461.24 -10128460.95 0.0281 0.0132
 Uranus -32407-05-08 07:40 J -10115106.39 -10115106.18 -10115105.97 0.0147 0.0097
 Jupiter -32405-12-20 11:31 J -10114149.30 -10114149.02 -10114148.73 0.0521 0.0094
 Saturn -32400-12-08 16:19 J -10112334.85 -10112334.82 -10112334.75 0.0277 0.0273
 Pluto -32398-08-24 12:43 J -10111711.10 -10111710.97 -10111710.80 0.0064 0.0056
 Neptune -32375-01-29 07:11 J -10103517.36 -10103517.20 -10103516.99 0.0089 0.0070
 Jupiter -32375-03-09 05:45 J -10103478.50 -10103478.26 -10103478.00 0.0508 0.0135
 Neptune -32374-12-24 17:31 J -10102823.07 -10102822.77 -10102822.47 0.0089 0.0020
 Neptune -32372-11-18 00:28 J -10102128.76 -10102128.48 -10102128.19 0.0089 0.0029
 Neptune -32370-10-13 05:16 J -10101434.39 -10101434.28 -10101434.11 0.0089 0.0078
 Saturn -32369-01-25 15:21 J -10101330.09 -10101329.86 -10101329.63 0.0278 0.0150
 Jupiter -32369-09-27 03:07 J -10101084.52 -10101084.37 -10101084.21 0.0523 0.0438
 Uranus -32365-08-24 11:59 J -10099657.23 -10099657.00 -10099656.74 0.0132 0.0090
 Saturn -32355-03-09 06:57 J -10096173.45 -10096173.21 -10096172.94 0.0281 0.0166
 Jupiter -32340-12-11 17:59 J -10090416.97 -10090416.75 -10090416.53 0.0505 0.0266
 Uranus -32322-01-01 14:09 J -10084187.20 -10084186.91 -10084186.62 0.0147 0.0003
 Saturn -32311-05-04 04:47 J -10080046.42 -10080046.30 -10080046.16 0.0277 0.0240
 Neptune -32292-09-12 01:40 J -10072975.67 -10072975.43 -10072975.15 0.0088 0.0052
 Neptune -32290-08-08 09:35 J -10072280.42 -10072280.10 -10072279.77 0.0088 0.0001
 Neptune -32288-07-03 19:26 J -10071584.93 -10071584.69 -10071584.40 0.0088 0.0054

Jupiter -32286-06-09 03:50 J -10070879.46 -10070879.34 -10070879.21 0.0519 0.0466
 Saturn -32281-06-19 12:14 J -10069042.20 -10069041.99 -10069041.76 0.0278 0.0161
 Uranus -32280-04-19 23:59 J -10068737.83 -10068737.50 -10068737.16 0.0132 0.0004
 Saturn -32267-08-03 00:28 J -10063884.67 -10063884.48 -10063884.27 0.0282 0.0215
 Jupiter -32257-08-28 20:52 J -10060205.77 -10060205.63 -10060205.47 0.0510 0.0420
 Jupiter -32250-03-16 15:50 J -10057815.12 -10057814.84 -10057814.55 0.0521 0.0050
 Uranus -32238-08-27 19:40 J -10053267.87 -10053267.68 -10053267.47 0.0147 0.0103
 Saturn -32223-09-26 22:33 J -10047758.69 -10047758.56 -10047758.40 0.0277 0.0234
 Jupiter -32221-06-02 17:02 J -10047144.05 -10047143.79 -10047143.53 0.0507 0.0002
 Neptune -32210-08-08 11:16 J -10043060.28 -10043060.03 -10043059.75 0.0089 0.0045
 Neptune -32208-07-02 21:07 J -10042365.92 -10042365.62 -10042365.31 0.0089 0.0005
 Neptune -32206-05-28 03:50 J -10041671.56 -10041671.34 -10041671.09 0.0089 0.0054
 Uranus -32196-12-14 12:43 J -10037818.21 -10037817.97 -10037817.69 0.0132 0.0083
 Saturn -32193-11-13 00:28 J -10036753.66 -10036753.48 -10036753.27 0.0278 0.0197
 Jupiter -32185-03-07 01:55 J -10034082.58 -10034082.42 -10034082.25 0.0505 0.0388
 Saturn -32179-12-26 20:09 J -10031596.80 -10031596.66 -10031596.49 0.0281 0.0245
 Uranus -32155-05-21 05:31 J -10023050.50 -10023050.27 -10023050.01 0.0147 0.0073
 Pluto -32150-12-02 03:50 J -10021029.39 -10021029.34 -10021029.25 0.0064 0.0063
 Saturn -32134-02-20 16:33 J -10015470.00 -10015469.81 -10015469.61 0.0276 0.0189
 Jupiter -32132-09-02 13:40 J -10014545.15 -10014544.93 -10014544.69 0.0518 0.0318
 Neptune -32128-04-26 00:43 J -10013213.61 -10013213.47 -10013213.30 0.0088 0.0078
 Neptune -32126-03-22 06:43 J -10012518.51 -10012518.22 -10012517.88 0.0088 0.0027
 Neptune -32124-02-14 15:07 J -10011823.18 -10011822.87 -10011822.56 0.0088 0.0027
 Neptune -32122-01-11 01:55 J -10011127.55 -10011127.42 -10011127.27 0.0088 0.0080
 Saturn -32120-03-29 11:45 J -10010319.12 -10010319.01 -10010318.87 0.0283 0.0259
 Uranus -32113-09-05 14:09 J -10007602.18 -10007601.91 -10007601.60 0.0132 0.0065
 Saturn -32104-04-07 22:19 J -10004465.75 -10004465.57 -10004465.39 0.0277 0.0208
 Jupiter -32103-11-23 10:04 J -10003871.29 -10003871.08 -10003870.85 0.0509 0.0281
 Jupiter -32096-06-10 16:33 J -10001480.06 -10001479.81 -10001479.54 0.0521 0.0224
 Uranus -32070-01-14 09:35 J -9992131.37 -9992131.10 -9992130.81 0.0147 0.0025

Jupiter	-32067-08-27 19:26 J	-9990809.94	-9990809.69	-9990809.43	0.0507	0.0114
Neptune	-32046-03-23 04:04 J	-9983297.49	-9983297.33	-9983297.12	0.0089	0.0071
Saturn	-32046-07-16 19:40 J	-9983181.89	-9983181.68	-9983181.46	0.0276	0.0170
Neptune	-32044-02-14 15:21 J	-9982603.15	-9982602.86	-9982602.56	0.0089	0.0020
Neptune	-32042-01-10 00:28 J	-9981908.75	-9981908.48	-9981908.18	0.0089	0.0030
Neptune	-32041-12-04 07:26 J	-9981214.31	-9981214.19	-9981214.04	0.0089	0.0079
Saturn	-32032-08-22 16:19 J	-9978031.01	-9978030.82	-9978030.61	0.0284	0.0220
Jupiter	-32031-05-31 23:45 J	-9977748.56	-9977748.51	-9977748.44	0.0505	0.0489
Uranus	-32028-05-02 04:04 J	-9976682.66	-9976682.33	-9976682.00	0.0132	0.0022
Saturn	-32016-09-02 01:40 J	-9972176.48	-9972176.43	-9972176.35	0.0277	0.0268

32ND MILLENNIUM BCE

This is a list of transits of Mars in the 32nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-31986-09-09 13:11 J	-9961212.09	-9961211.95	-9961211.78	0.0147	0.0122		
Jupiter	-31978-11-28 06:14 J	-9958210.51	-9958210.24	-9958209.96	0.0519	0.0161		
Neptune	-31963-11-03 04:19 J	-9952756.56	-9952756.32	-9952756.04	0.0088	0.0053		
Neptune	-31961-09-28 11:31 J	-9952061.34	-9952061.02	-9952060.69	0.0088	0.0001		
Neptune	-31959-08-24 19:26 J	-9951365.94	-9951365.69	-9951365.42	0.0088	0.0053		
Saturn	-31958-12-11 06:28 J	-9950892.48	-9950892.23	-9950891.97	0.0276	0.0101		
Jupiter	-31948-02-16 03:21 J	-9947537.60	-9947537.36	-9947537.11	0.0510	0.0182		
Uranus	-31945-01-23 08:52 J	-9946466.22	-9946466.13	-9946465.99	0.0132	0.0124		
Uranus	-31944-12-26 18:28 J	-9945762.89	-9945762.73	-9945762.53	0.0132	0.0110		

Saturn	-31943-01-16 17:02 J	-9945742.05	-9945741.79	-9945741.52	0.0284	0.0156
Jupiter	-31942-09-04 12:28 J	-9945146.19	-9945145.98	-9945145.77	0.0521	0.0352
Jupiter	-31913-11-20 11:31 J	-9934476.26	-9934476.02	-9934475.78	0.0507	0.0206
Uranus	-31903-06-02 18:28 J	-9930994.99	-9930994.73	-9930994.46	0.0147	0.0056
Pluto	-31901-03-11 01:55 J	-9930347.55	-9930347.42	-9930347.24	0.0065	0.0055
Neptune	-31881-09-29 06:57 J	-9922840.46	-9922840.21	-9922839.94	0.0089	0.0046
Neptune	-31879-08-24 16:47 J	-9922146.09	-9922145.80	-9922145.49	0.0089	0.0005
Neptune	-31877-07-19 01:26 J	-9921451.65	-9921451.44	-9921451.18	0.0089	0.0055
Saturn	-31869-05-06 04:33 J	-9918603.57	-9918603.31	-9918603.04	0.0276	0.0058
Uranus	-31861-09-18 00:43 J	-9915546.78	-9915546.47	-9915546.14	0.0132	0.0036
Saturn	-31855-06-12 09:21 J	-9913453.41	-9913453.11	-9913452.81	0.0284	0.0100
Jupiter	-31830-08-08 00:28 J	-9904265.53	-9904265.48	-9904265.41	0.0512	0.0496
Jupiter	-31823-02-20 12:57 J	-9901877.24	-9901876.96	-9901876.67	0.0519	0.0054
Uranus	-31818-01-27 03:07 J	-9900075.64	-9900075.37	-9900075.09	0.0147	0.0045
Neptune	-31799-06-17 03:07 J	-9892994.51	-9892994.37	-9892994.24	0.0088	0.0080
Neptune	-31797-05-12 06:57 J	-9892299.51	-9892299.21	-9892298.90	0.0088	0.0028
Neptune	-31795-04-07 14:09 J	-9891604.21	-9891603.91	-9891603.59	0.0088	0.0025
Jupiter	-31794-05-12 14:38 J	-9891204.14	-9891203.89	-9891203.63	0.0509	0.0092
Neptune	-31793-03-02 22:33 J	-9890908.69	-9890908.56	-9890908.40	0.0088	0.0079
Jupiter	-31788-11-28 12:14 J	-9888812.10	-9888811.99	-9888811.88	0.0522	0.0483
Saturn	-31781-09-30 22:19 J	-9886313.84	-9886313.57	-9886313.30	0.0276	0.0019
Uranus	-31776-05-14 16:19 J	-9884627.11	-9884626.82	-9884626.49	0.0132	0.0053
Saturn	-31767-11-07 14:09 J	-9881163.23	-9881162.91	-9881162.60	0.0283	0.0009
Jupiter	-31758-02-14 04:19 J	-9878142.52	-9878142.32	-9878142.10	0.0507	0.0306
Uranus	-31736-10-20 10:47 J	-9869858.16	-9869858.05	-9869857.90	0.0147	0.0130
Uranus	-31734-09-22 11:16 J	-9869156.06	-9869156.03	-9869155.99	0.0147	0.0145
Neptune	-31717-05-13 18:43 J	-9863077.86	-9863077.72	-9863077.50	0.0089	0.0074
Neptune	-31715-04-08 08:52 J	-9862383.43	-9862383.13	-9862382.83	0.0089	0.0021
Neptune	-31713-03-02 18:28 J	-9861688.99	-9861688.73	-9861688.42	0.0089	0.0030
Neptune	-31711-01-26 02:38 J	-9860994.49	-9860994.39	-9860994.22	0.0089	0.0080

Jupiter	-31705-08-08 18:14 J	-9858607.89	-9858607.74	-9858607.59	0.0516	0.0440
Uranus	-31693-02-05 00:28 J	-9854410.70	-9854410.48	-9854410.22	0.0132	0.0092
Saturn	-31692-02-25 02:23 J	-9854024.66	-9854024.40	-9854024.13	0.0276	0.0070
Saturn	-31678-04-03 13:11 J	-9848874.25	-9848873.95	-9848873.63	0.0283	0.0054
Jupiter	-31676-10-31 14:09 J	-9847932.06	-9847931.91	-9847931.74	0.0511	0.0398
Jupiter	-31669-05-16 08:09 J	-9845543.45	-9845543.16	-9845542.87	0.0519	0.0072
Pluto	-31653-06-19 01:40 J	-9839665.64	-9839665.43	-9839665.18	0.0065	0.0042
Uranus	-31651-06-15 23:31 J	-9838938.79	-9838938.52	-9838938.23	0.0147	0.0027
Jupiter	-31640-08-05 06:28 J	-9834870.49	-9834870.23	-9834869.97	0.0509	0.0009
Neptune	-31634-12-25 03:50 J	-9832537.57	-9832537.34	-9832537.06	0.0088	0.0055
Neptune	-31632-11-19 08:38 J	-9831842.46	-9831842.14	-9831841.81	0.0088	0.0003
Neptune	-31630-10-15 15:35 J	-9831147.09	-9831146.85	-9831146.56	0.0088	0.0051
Uranus	-31609-09-30 17:16 J	-9823491.11	-9823490.78	-9823490.45	0.0132	0.0004
Jupiter	-31604-05-09 16:04 J	-9821808.99	-9821808.83	-9821808.67	0.0506	0.0396
Saturn	-31604-07-22 05:45 J	-9821735.50	-9821735.26	-9821735.02	0.0276	0.0123
Saturn	-31590-08-29 17:59 J	-9816584.01	-9816583.75	-9816583.46	0.0283	0.0144
Uranus	-31566-02-09 06:57 J	-9808019.44	-9808019.21	-9808018.94	0.0147	0.0073
Neptune	-31552-11-20 20:52 J	-9802620.87	-9802620.63	-9802620.36	0.0089	0.0048
Jupiter	-31551-11-02 16:47 J	-9802274.03	-9802273.80	-9802273.57	0.0517	0.0311
Neptune	-31550-10-16 10:04 J	-9801926.39	-9801926.08	-9801925.78	0.0089	0.0003
Neptune	-31548-09-09 19:55 J	-9801231.90	-9801231.67	-9801231.42	0.0089	0.0054
Saturn	-31546-10-30 05:16 J	-9800451.37	-9800451.28	-9800451.18	0.0275	0.0257
Uranus	-31524-05-27 08:52 J	-9792571.38	-9792571.13	-9792570.86	0.0132	0.0084
Jupiter	-31521-01-25 09:35 J	-9791598.31	-9791598.10	-9791597.88	0.0512	0.0292
Saturn	-31516-12-16 00:43 J	-9789446.68	-9789446.47	-9789446.24	0.0276	0.0163
Jupiter	-31515-08-09 17:31 J	-9789210.04	-9789209.77	-9789209.50	0.0519	0.0180
Saturn	-31501-01-23 05:16 J	-9784295.51	-9784295.28	-9784295.04	0.0283	0.0190
Jupiter	-31486-10-30 05:16 J	-9778536.53	-9778536.28	-9778536.02	0.0509	0.0121
Uranus	-31484-11-02 13:40 J	-9777802.11	-9777801.93	-9777801.71	0.0147	0.0104
Neptune	-31470-08-08 03:21 J	-9772775.45	-9772775.36	-9772775.22	0.0088	0.0083

Neptune -31468-07-03 06:14 J -9772080.52 -9772080.24 -9772079.91 0.0088 0.0031
 Neptune -31466-05-29 11:02 J -9771385.34 -9771385.04 -9771384.71 0.0088 0.0023
 Neptune -31464-04-23 17:31 J -9770689.89 -9770689.77 -9770689.57 0.0088 0.0078
 Saturn -31457-03-24 22:33 J -9768162.71 -9768162.56 -9768162.38 0.0275 0.0219
 Uranus -31441-02-17 17:16 J -9762355.06 -9762354.78 -9762354.47 0.0132 0.0061
 Saturn -31427-05-11 04:47 J -9757158.49 -9757158.30 -9757158.08 0.0276 0.0183
 Saturn -31413-06-18 07:40 J -9752006.32 -9752006.18 -9752006.03 0.0284 0.0251
 Pluto -31405-09-27 10:33 J -9748983.34 -9748983.06 -9748982.75 0.0065 0.0012
 Uranus -31399-06-28 17:45 J -9746883.05 -9746882.76 -9746882.47 0.0147 0.0007
 Jupiter -31396-01-26 16:19 J -9745940.09 -9745939.82 -9745939.55 0.0517 0.0184
 Neptune -31388-07-05 08:23 J -9742858.29 -9742858.15 -9742857.97 0.0089 0.0076
 Neptune -31386-05-30 21:50 J -9742163.87 -9742163.59 -9742163.28 0.0089 0.0024
 Neptune -31384-04-24 10:04 J -9741469.36 -9741469.08 -9741468.78 0.0089 0.0028
 Neptune -31382-03-19 20:52 J -9740774.75 -9740774.63 -9740774.47 0.0089 0.0079
 Saturn -31369-08-17 20:52 J -9735874.80 -9735874.63 -9735874.44 0.0275 0.0207
 Jupiter -31367-04-20 19:26 J -9735263.94 -9735263.69 -9735263.44 0.0511 0.0159
 Jupiter -31361-11-03 10:33 J -9732875.28 -9732875.06 -9732874.84 0.0519 0.0337
 Uranus -31357-10-13 09:35 J -9731435.42 -9731435.10 -9731434.77 0.0132 0.0027
 Saturn -31355-09-19 14:38 J -9730728.96 -9730728.89 -9730728.81 0.0285 0.0276
 Saturn -31339-10-04 17:16 J -9724869.94 -9724869.78 -9724869.61 0.0276 0.0218
 Jupiter -31331-01-23 13:40 J -9722202.16 -9722201.93 -9722201.70 0.0509 0.0242
 Saturn -31325-11-11 02:38 J -9719718.42 -9719718.39 -9719718.34 0.0283 0.0281
 Uranus -31314-02-22 01:55 J -9715963.63 -9715963.42 -9715963.19 0.0147 0.0092
 Neptune -31304-02-14 05:31 J -9712318.51 -9712318.27 -9712318.02 0.0088 0.0058
 Neptune -31302-01-10 08:52 J -9711623.45 -9711623.13 -9711622.80 0.0088 0.0005
 Neptune -31301-12-05 13:40 J -9710928.17 -9710927.93 -9710927.63 0.0088 0.0050
 Saturn -31280-01-11 11:31 J -9703586.23 -9703586.02 -9703585.80 0.0274 0.0167
 Uranus -31274-07-06 18:28 J -9701218.88 -9701218.73 -9701218.57 0.0132 0.0116
 Uranus -31272-06-09 01:26 J -9700515.58 -9700515.44 -9700515.25 0.0132 0.0115
 Saturn -31266-02-12 09:07 J -9698441.26 -9698441.12 -9698440.95 0.0285 0.0247

Saturn	-31250-02-27 12:14 J	-9692582.14	-9692581.99	-9692581.83	0.0276	0.0226
Jupiter	-31249-10-10 05:59 J	-9691991.37	-9691991.25	-9691991.12	0.0513	0.0449
Jupiter	-31242-04-23 17:02 J	-9689605.08	-9689604.79	-9689604.50	0.0517	0.0019
Uranus	-31232-11-15 07:40 J	-9685746.39	-9685746.18	-9685745.92	0.0147	0.0084
Neptune	-31222-01-12 10:33 J	-9682401.29	-9682401.06	-9682400.78	0.0089	0.0051
Neptune	-31221-12-07 00:28 J	-9681706.79	-9681706.48	-9681706.17	0.0089	0.0002
Neptune	-31219-11-01 11:45 J	-9681012.24	-9681012.01	-9681011.76	0.0089	0.0054
Jupiter	-31213-07-15 01:55 J	-9678929.68	-9678929.42	-9678929.16	0.0511	0.0040
Jupiter	-31206-01-28 23:31 J	-9676540.60	-9676540.52	-9676540.41	0.0520	0.0488
Saturn	-31192-06-06 08:38 J	-9671298.36	-9671298.14	-9671297.91	0.0274	0.0156
Uranus	-31189-03-01 09:21 J	-9670299.43	-9670299.11	-9670298.78	0.0132	0.0030
Saturn	-31178-07-08 06:57 J	-9666153.40	-9666153.21	-9666152.99	0.0286	0.0215
Jupiter	-31177-04-18 16:33 J	-9665867.99	-9665867.81	-9665867.62	0.0509	0.0351
Saturn	-31162-07-24 07:26 J	-9660293.19	-9660293.19	-9660293.16	0.0275	0.0275
Pluto	-31156-01-05 23:02 J	-9658300.79	-9658300.54	-9658300.25	0.0065	0.0028
Uranus	-31147-07-11 19:55 J	-9654826.95	-9654826.67	-9654826.38	0.0147	0.0019
Neptune	-31141-09-28 09:21 J	-9652556.18	-9652556.11	-9652556.00	0.0088	0.0085
Neptune	-31139-08-24 09:35 J	-9651861.38	-9651861.10	-9651860.78	0.0088	0.0032
Neptune	-31137-07-19 12:43 J	-9651166.27	-9651165.97	-9651165.64	0.0088	0.0022
Neptune	-31135-06-14 17:45 J	-9650470.90	-9650470.76	-9650470.56	0.0088	0.0076
Jupiter	-31124-10-11 02:23 J	-9646334.59	-9646334.40	-9646334.19	0.0515	0.0361
Uranus	-31105-10-25 23:45 J	-9639379.79	-9639379.51	-9639379.19	0.0132	0.0057
Saturn	-31104-10-31 09:35 J	-9639009.35	-9639009.10	-9639008.83	0.0274	0.0099
Jupiter	-31094-01-04 05:16 J	-9635657.46	-9635657.28	-9635657.07	0.0514	0.0341
Saturn	-31090-12-01 18:57 J	-9633864.96	-9633864.71	-9633864.44	0.0286	0.0166
Jupiter	-31088-07-17 22:19 J	-9633270.84	-9633270.57	-9633270.28	0.0517	0.0119
Pluto	-31069-05-27 14:52 J	-9626381.97	-9626381.88	-9626381.74	0.0079	0.0075
Uranus	-31062-03-07 04:47 J	-9623907.45	-9623907.30	-9623907.11	0.0147	0.0118
Neptune	-31059-08-26 19:40 J	-9622638.78	-9622638.68	-9622638.50	0.0089	0.0080
Jupiter	-31059-10-09 00:14 J	-9622595.75	-9622595.49	-9622595.23	0.0511	0.0064

Neptune	-31057-07-21 12:43 J	-9621944.26	-9621943.97	-9621943.67	0.0089	0.0026
Neptune	-31055-06-16 01:40 J	-9621249.71	-9621249.43	-9621249.12	0.0089	0.0027
Neptune	-31053-05-10 12:14 J	-9620555.09	-9620554.99	-9620554.81	0.0089	0.0080
Jupiter	-31023-07-13 21:35 J	-9609533.69	-9609533.60	-9609533.49	0.0508	0.0469
Uranus	-31022-07-19 06:14 J	-9609163.47	-9609163.24	-9609162.98	0.0132	0.0088
Saturn	-31015-03-26 23:45 J	-9606720.77	-9606720.51	-9606720.24	0.0274	0.0065
Saturn	-31001-04-26 02:38 J	-9601576.68	-9601576.39	-9601576.10	0.0286	0.0119

31ST MILLENNIUM BCE

This is a list of transits of Mars in the 31st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-30980-11-28 11:31 J	-9593690.27	-9593690.02	-9593689.74	0.0147	0.0057		
Neptune	-30975-04-07 14:23 J	-9592099.11	-9592098.90	-9592098.64	0.0088	0.0059		
Neptune	-30973-03-02 15:07 J	-9591404.18	-9591403.87	-9591403.54	0.0088	0.0006		
Neptune	-30971-01-26 17:59 J	-9590708.99	-9590708.75	-9590708.45	0.0088	0.0048		
Jupiter	-30969-01-04 19:11 J	-9590000.94	-9590000.70	-9590000.44	0.0515	0.0245		
Jupiter	-30940-03-29 21:35 J	-9579323.83	-9579323.60	-9579323.36	0.0513	0.0242		
Uranus	-30937-03-13 18:14 J	-9578244.07	-9578243.74	-9578243.40	0.0132	0.0004		
Jupiter	-30934-10-12 04:19 J	-9576936.56	-9576936.32	-9576936.06	0.0518	0.0254		
Saturn	-30927-08-21 15:21 J	-9574431.13	-9574430.86	-9574430.58	0.0274	0.0011		
Saturn	-30913-09-21 00:14 J	-9569286.80	-9569286.49	-9569286.18	0.0286	0.0033		
Jupiter	-30904-01-01 20:52 J	-9566261.87	-9566261.63	-9566261.38	0.0511	0.0170		
Uranus	-30895-07-24 14:38 J	-9562771.16	-9562770.89	-9562770.61	0.0147	0.0039		

Neptune	-30893-03-04 23:45 J	-9562181.73	-9562181.51	-9562181.24	0.0089	0.0054
Neptune	-30891-01-28 16:33 J	-9561487.11	-9561486.81	-9561486.50	0.0089	0.0001
Neptune	-30890-12-24 05:16 J	-9560792.50	-9560792.28	-9560792.01	0.0089	0.0053
Uranus	-30853-11-07 04:47 J	-9547324.55	-9547324.30	-9547324.03	0.0132	0.0081
Saturn	-30838-01-15 20:52 J	-9542141.89	-9542141.63	-9542141.36	0.0274	0.0064
Saturn	-30824-02-14 23:45 J	-9536997.83	-9536997.51	-9536997.20	0.0285	0.0031
Pluto	-30821-09-05 22:04 J	-9535698.84	-9535698.58	-9535698.31	0.0079	0.0047
Jupiter	-30815-03-30 14:23 J	-9533667.17	-9533666.90	-9533666.62	0.0515	0.0126
Uranus	-30812-04-16 16:47 J	-9532553.88	-9532553.80	-9532553.71	0.0147	0.0139
Neptune	-30812-11-19 22:19 J	-9532336.62	-9532336.57	-9532336.45	0.0088	0.0085
Uranus	-30810-03-19 17:59 J	-9531851.85	-9531851.75	-9531851.62	0.0147	0.0134
Neptune	-30810-10-15 22:04 J	-9531641.87	-9531641.58	-9531641.28	0.0088	0.0032
Neptune	-30808-09-09 22:19 J	-9530946.87	-9530946.57	-9530946.24	0.0088	0.0021
Neptune	-30806-08-06 01:26 J	-9530251.58	-9530251.44	-9530251.25	0.0088	0.0075
Jupiter	-30786-06-23 11:31 J	-9522990.27	-9522990.02	-9522989.76	0.0513	0.0144
Jupiter	-30779-01-04 05:02 J	-9520603.50	-9520603.29	-9520603.07	0.0518	0.0342
Uranus	-30770-07-31 09:21 J	-9517108.37	-9517108.11	-9517107.79	0.0132	0.0065
Jupiter	-30750-03-28 04:47 J	-9509928.52	-9509928.30	-9509928.06	0.0510	0.0255
Saturn	-30750-06-12 08:52 J	-9509852.36	-9509852.13	-9509851.87	0.0274	0.0129
Saturn	-30736-07-13 10:04 J	-9504707.34	-9504707.08	-9504706.78	0.0286	0.0131
Neptune	-30730-10-18 11:02 J	-9502419.14	-9502419.04	-9502418.89	0.0089	0.0081
Neptune	-30728-09-12 04:19 J	-9501724.60	-9501724.32	-9501724.01	0.0089	0.0028
Uranus	-30728-12-10 20:09 J	-9501634.93	-9501634.66	-9501634.38	0.0147	0.0043
Neptune	-30726-08-07 20:38 J	-9501029.93	-9501029.64	-9501029.34	0.0089	0.0026
Neptune	-30724-07-02 09:21 J	-9500335.22	-9500335.11	-9500334.94	0.0089	0.0080
Jupiter	-30697-09-16 07:40 J	-9490397.26	-9490397.18	-9490397.08	0.0513	0.0485
Saturn	-30692-09-19 17:16 J	-9488567.90	-9488567.78	-9488567.64	0.0273	0.0241
Uranus	-30685-03-25 18:43 J	-9486189.04	-9486188.72	-9486188.39	0.0132	0.0019
Jupiter	-30668-12-11 23:45 J	-9479718.62	-9479718.51	-9479718.40	0.0516	0.0466
Saturn	-30662-11-06 10:33 J	-9477563.25	-9477563.06	-9477562.84	0.0274	0.0179

Jupiter	-30661-06-22 17:45 J	-9477334.05	-9477333.76	-9477333.48	0.0515	0.0035
Saturn	-30648-12-07 05:59 J	-9472418.47	-9472418.25	-9472418.00	0.0285	0.0188
Neptune	-30646-05-30 07:11 J	-9471879.42	-9471879.20	-9471878.95	0.0088	0.0058
Neptune	-30644-04-24 07:11 J	-9471184.51	-9471184.20	-9471183.87	0.0088	0.0005
Uranus	-30643-08-06 02:52 J	-9470715.63	-9470715.38	-9470715.10	0.0147	0.0055
Neptune	-30642-03-20 07:26 J	-9470489.43	-9470489.19	-9470488.89	0.0088	0.0050
Jupiter	-30632-09-16 03:35 J	-9466656.61	-9466656.35	-9466656.08	0.0512	0.0042
Jupiter	-30625-03-29 21:35 J	-9464269.72	-9464269.60	-9464269.46	0.0518	0.0459
Saturn	-30603-02-13 16:04 J	-9456279.01	-9456278.83	-9456278.62	0.0273	0.0195
Uranus	-30603-12-16 22:19 J	-9455972.64	-9455972.57	-9455972.46	0.0132	0.0127
Uranus	-30601-11-19 04:19 J	-9455269.52	-9455269.32	-9455269.10	0.0132	0.0102
Jupiter	-30596-06-21 02:38 J	-9453594.56	-9453594.39	-9453594.19	0.0510	0.0363
Saturn	-30573-03-31 22:47 J	-9445274.71	-9445274.55	-9445274.36	0.0274	0.0210
Neptune	-30564-04-26 17:59 J	-9441961.98	-9441961.75	-9441961.49	0.0089	0.0054
Neptune	-30562-03-22 11:02 J	-9441267.34	-9441267.04	-9441266.73	0.0089	0.0001
Neptune	-30560-02-14 02:38 J	-9440572.62	-9440572.39	-9440572.13	0.0089	0.0053
Uranus	-30560-04-29 08:09 J	-9440498.31	-9440498.16	-9440497.97	0.0146	0.0119
Saturn	-30559-05-03 20:09 J	-9440128.76	-9440128.66	-9440128.53	0.0286	0.0265
Jupiter	-30543-12-10 23:02 J	-9434063.72	-9434063.54	-9434063.33	0.0513	0.0378
Uranus	-30518-08-12 05:16 J	-9425053.58	-9425053.28	-9425052.96	0.0132	0.0046
Saturn	-30515-07-09 20:09 J	-9423990.86	-9423990.66	-9423990.44	0.0273	0.0175
Jupiter	-30513-03-07 04:19 J	-9423384.52	-9423384.32	-9423384.12	0.0515	0.0342
Jupiter	-30507-09-17 00:43 J	-9420999.75	-9420999.47	-9420999.19	0.0515	0.0100
Saturn	-30501-08-04 05:45 J	-9418851.34	-9418851.26	-9418851.15	0.0287	0.0273
Saturn	-30485-08-25 13:11 J	-9412986.04	-9412985.95	-9412985.82	0.0274	0.0248
Neptune	-30482-01-11 19:26 J	-9412116.76	-9412116.69	-9412116.57	0.0088	0.0084
Neptune	-30481-12-06 16:47 J	-9411422.08	-9411421.80	-9411421.48	0.0088	0.0031
Neptune	-30479-11-01 17:31 J	-9410727.06	-9410726.77	-9410726.45	0.0088	0.0023
Jupiter	-30478-12-11 07:40 J	-9410322.45	-9410322.18	-9410321.92	0.0513	0.0074
Neptune	-30477-09-26 18:57 J	-9410031.84	-9410031.71	-9410031.53	0.0088	0.0078

Uranus	-30476-12-23 15:07 J	-9409579.15	-9409578.87	-9409578.58	0.0146	0.0022
Jupiter	-30442-09-15 01:55 J	-9397260.51	-9397260.42	-9397260.30	0.0510	0.0466
Uranus	-30433-04-06 12:28 J	-9394134.29	-9394133.98	-9394133.65	0.0132	0.0036
Saturn	-30427-12-03 10:19 J	-9391702.30	-9391702.07	-9391701.82	0.0272	0.0135
Pluto	-30414-12-14 23:31 J	-9386942.80	-9386942.52	-9386942.22	0.0065	0.0016
Saturn	-30413-12-28 03:50 J	-9386563.50	-9386563.34	-9386563.16	0.0287	0.0239
Neptune	-30401-12-09 07:11 J	-9382199.31	-9382199.20	-9382199.07	0.0089	0.0082
Neptune	-30399-11-04 02:52 J	-9381504.66	-9381504.38	-9381504.07	0.0089	0.0027
Neptune	-30397-09-28 19:40 J	-9380809.97	-9380809.68	-9380809.38	0.0089	0.0028
Saturn	-30396-01-18 09:21 J	-9380698.20	-9380698.11	-9380698.02	0.0274	0.0257
Neptune	-30395-08-24 09:50 J	-9380115.18	-9380115.09	-9380114.93	0.0089	0.0082
Uranus	-30391-08-18 17:59 J	-9378659.99	-9378659.75	-9378659.50	0.0146	0.0073
Jupiter	-30388-03-06 17:45 J	-9377729.01	-9377728.76	-9377728.50	0.0513	0.0229
Jupiter	-30359-06-01 10:04 J	-9367050.32	-9367050.08	-9367049.84	0.0515	0.0222
Jupiter	-30353-12-11 12:28 J	-9364665.23	-9364664.98	-9364664.73	0.0516	0.0241
Uranus	-30351-12-28 11:45 J	-9363918.16	-9363918.01	-9363917.81	0.0132	0.0112
Uranus	-30349-11-30 16:19 J	-9363214.94	-9363214.82	-9363214.64	0.0132	0.0117
Saturn	-30338-04-28 05:45 J	-9359414.50	-9359414.26	-9359414.01	0.0272	0.0126
Pluto	-30326-05-04 06:28 J	-9355025.28	-9355025.23	-9355025.09	0.0079	0.0077
Saturn	-30324-05-23 01:11 J	-9354275.65	-9354275.45	-9354275.21	0.0288	0.0207
Jupiter	-30323-03-06 11:45 J	-9353988.26	-9353988.01	-9353987.77	0.0513	0.0185
Neptune	-30317-07-21 07:40 J	-9351659.40	-9351659.18	-9351658.91	0.0088	0.0057
Neptune	-30315-06-16 05:16 J	-9350964.59	-9350964.28	-9350963.96	0.0088	0.0003
Neptune	-30313-05-11 05:16 J	-9350269.52	-9350269.28	-9350269.00	0.0088	0.0052
Uranus	-30308-05-11 14:38 J	-9348443.06	-9348442.89	-9348442.67	0.0146	0.0107
Uranus	-30266-08-23 16:47 J	-9332999.10	-9332998.80	-9332998.46	0.0132	0.0032
Saturn	-30250-09-22 00:43 J	-9327125.73	-9327125.47	-9327125.20	0.0272	0.0075
Saturn	-30236-10-16 02:23 J	-9321987.64	-9321987.40	-9321987.13	0.0288	0.0170
Neptune	-30235-06-18 17:02 J	-9321742.02	-9321741.79	-9321741.52	0.0089	0.0054
Jupiter	-30234-06-01 04:19 J	-9321394.60	-9321394.32	-9321394.04	0.0513	0.0090

Neptune	-30233-05-13 12:28 J	-9321047.28	-9321046.98	-9321046.66	0.0089	0.0002
Neptune	-30231-04-08 04:47 J	-9320352.51	-9320352.30	-9320352.03	0.0089	0.0057
Uranus	-30223-01-04 14:52 J	-9317524.16	-9317523.88	-9317523.58	0.0146	0.0015
Jupiter	-30205-08-25 12:57 J	-9310716.22	-9310715.96	-9310715.70	0.0515	0.0110
Jupiter	-30198-03-08 09:50 J	-9308330.27	-9308330.09	-9308329.90	0.0516	0.0394
Uranus	-30181-04-17 19:55 J	-9302079.96	-9302079.67	-9302079.35	0.0132	0.0048
Jupiter	-30169-05-30 22:47 J	-9297653.76	-9297653.55	-9297653.34	0.0512	0.0314
Saturn	-30161-02-15 07:11 J	-9294837.46	-9294837.20	-9294836.92	0.0272	0.0050
Neptune	-30153-03-04 23:31 J	-9291896.61	-9291896.52	-9291896.37	0.0088	0.0081
Neptune	-30151-01-28 20:09 J	-9291201.94	-9291201.66	-9291201.34	0.0088	0.0028
Neptune	-30150-12-24 18:57 J	-9290507.01	-9290506.71	-9290506.40	0.0088	0.0026
Neptune	-30148-11-18 19:11 J	-9289811.80	-9289811.70	-9289811.55	0.0088	0.0082
Saturn	-30147-03-10 22:33 J	-9289699.82	-9289699.56	-9289699.27	0.0288	0.0137
Uranus	-30139-08-30 15:07 J	-9286605.10	-9286604.87	-9286604.61	0.0146	0.0079
Jupiter	-30116-11-18 20:38 J	-9278123.79	-9278123.64	-9278123.47	0.0511	0.0413
Uranus	-30098-01-08 20:09 J	-9271863.85	-9271863.66	-9271863.42	0.0132	0.0101
Uranus	-30097-12-12 00:28 J	-9271160.56	-9271160.48	-9271160.39	0.0132	0.0128
Jupiter	-30086-02-14 04:19 J	-9267444.47	-9267444.32	-9267444.17	0.0517	0.0422
Jupiter	-30080-08-25 17:16 J	-9265060.07	-9265059.78	-9265059.50	0.0514	0.0050
Saturn	-30073-07-11 17:02 J	-9262548.06	-9262547.79	-9262547.52	0.0272	0.0018
Neptune	-30071-01-31 10:33 J	-9261979.19	-9261979.06	-9261978.91	0.0089	0.0080
Neptune	-30070-12-27 06:14 J	-9261284.52	-9261284.24	-9261283.92	0.0089	0.0025
Neptune	-30068-11-21 00:14 J	-9260589.76	-9260589.49	-9260589.17	0.0089	0.0032
Neptune	-30066-10-16 16:47 J	-9259894.86	-9259894.80	-9259894.68	0.0089	0.0085
Saturn	-30059-08-05 05:59 J	-9257410.55	-9257410.25	-9257409.94	0.0288	0.0066
Uranus	-30056-05-23 16:47 J	-9256388.00	-9256387.80	-9256387.56	0.0146	0.0097
Jupiter	-30051-11-19 15:35 J	-9254382.11	-9254381.85	-9254381.58	0.0514	0.0012
Jupiter	-30044-06-01 04:19 J	-9251996.37	-9251996.32	-9251996.27	0.0516	0.0508
Jupiter	-30015-08-24 09:21 J	-9241320.27	-9241320.11	-9241319.94	0.0512	0.0399
Uranus	-30014-09-03 21:35 J	-9240944.92	-9240944.60	-9240944.26	0.0132	0.0022

30TH MILLENNIUM BCE

This is a list of transits of Mars in the 30th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-29988-09-12 13:55 J		-9231439.17	-9231438.92	-9231438.66	0.0088	0.0053	
Neptune	-29986-08-08 10:47 J		-9230744.37	-9230744.05	-9230743.73	0.0088	0.0001	
Saturn	-29985-12-05 17:02 J		-9230259.05	-9230258.79	-9230258.51	0.0272	0.0067	
Neptune	-29984-07-03 09:07 J		-9230049.35	-9230049.12	-9230048.86	0.0088	0.0056	
Uranus	-29971-01-16 22:33 J		-9225468.85	-9225468.56	-9225468.27	0.0146	0.0002	
Saturn	-29971-12-29 22:47 J		-9225121.87	-9225121.55	-9225121.24	0.0288	0.0010	
Jupiter	-29961-02-12 19:55 J		-9221789.89	-9221789.67	-9221789.43	0.0511	0.0295	
Jupiter	-29932-05-09 20:23 J		-9211110.85	-9211110.65	-9211110.43	0.0517	0.0319	
Uranus	-29929-04-29 00:14 J		-9210025.77	-9210025.49	-9210025.18	0.0132	0.0058	
Jupiter	-29926-11-18 22:19 J		-9208726.83	-9208726.57	-9208726.29	0.0514	0.0141	
Pluto	-29919-08-14 00:14 J		-9206266.79	-9206266.49	-9206266.19	0.0065	0.0006	
Neptune	-29906-08-10 23:45 J		-9201521.75	-9201521.51	-9201521.23	0.0089	0.0051	
Neptune	-29904-07-05 19:40 J		-9200826.99	-9200826.68	-9200826.36	0.0089	0.0006	
Neptune	-29902-05-31 12:43 J		-9200132.17	-9200131.97	-9200131.72	0.0089	0.0061	
Jupiter	-29896-02-11 22:47 J		-9198048.81	-9198048.55	-9198048.29	0.0514	0.0092	
Saturn	-29896-05-02 07:55 J		-9197969.40	-9197969.17	-9197968.92	0.0272	0.0135	
Uranus	-29887-09-12 02:09 J		-9194549.63	-9194549.41	-9194549.19	0.0146	0.0093	
Saturn	-29882-05-27 09:21 J		-9192831.40	-9192831.11	-9192830.80	0.0288	0.0093	
Jupiter	-29861-11-17 03:50 J		-9184986.38	-9184986.34	-9184986.27	0.0512	0.0500	

Uranus	-29846-01-19 22:04 J	-9179809.80	-9179809.58	-9179809.33	0.0132	0.0093
Saturn	-29838-08-10 21:50 J	-9176684.74	-9176684.59	-9176684.44	0.0271	0.0227
Neptune	-29824-04-27 09:50 J	-9171676.21	-9171676.09	-9171675.91	0.0088	0.0078
Neptune	-29822-03-23 04:33 J	-9170981.60	-9170981.31	-9170980.99	0.0088	0.0023
Neptune	-29820-02-15 01:40 J	-9170286.72	-9170286.43	-9170286.12	0.0088	0.0031
Neptune	-29818-01-11 01:26 J	-9169591.48	-9169591.44	-9169591.37	0.0088	0.0087
Saturn	-29808-09-26 14:09 J	-9165680.09	-9165679.91	-9165679.70	0.0272	0.0193
Jupiter	-29807-05-07 21:07 J	-9165456.87	-9165456.62	-9165456.36	0.0511	0.0212
Uranus	-29804-06-04 22:19 J	-9164332.79	-9164332.57	-9164332.32	0.0146	0.0086
Saturn	-29794-10-21 12:57 J	-9160542.22	-9160541.96	-9160541.70	0.0287	0.0161
Jupiter	-29778-08-03 07:11 J	-9154777.44	-9154777.20	-9154776.96	0.0516	0.0225
Jupiter	-29771-02-11 10:19 J	-9152393.32	-9152393.07	-9152392.82	0.0514	0.0242
Uranus	-29762-09-14 23:31 J	-9148890.85	-9148890.52	-9148890.19	0.0132	0.0015
Saturn	-29749-01-05 03:21 J	-9144395.56	-9144395.36	-9144395.13	0.0271	0.0171
Neptune	-29742-03-25 16:33 J	-9141758.95	-9141758.81	-9141758.63	0.0089	0.0077
Jupiter	-29742-05-08 16:33 J	-9141715.05	-9141714.81	-9141714.56	0.0514	0.0194
Neptune	-29740-02-17 15:21 J	-9141064.15	-9141063.86	-9141063.54	0.0089	0.0020
Neptune	-29738-01-13 10:19 J	-9140369.33	-9140369.07	-9140368.76	0.0089	0.0036
Uranus	-29719-01-28 20:23 J	-9133413.94	-9133413.65	-9133413.36	0.0146	0.0005
Saturn	-29719-02-20 13:11 J	-9133391.07	-9133390.95	-9133390.81	0.0272	0.0237
Saturn	-29705-03-17 15:35 J	-9128251.98	-9128251.85	-9128251.69	0.0288	0.0255
Uranus	-29677-05-09 23:31 J	-9117971.81	-9117971.52	-9117971.23	0.0132	0.0063
Saturn	-29661-05-30 17:59 J	-9112106.98	-9112106.75	-9112106.50	0.0271	0.0138
Neptune	-29659-11-05 01:11 J	-9111218.69	-9111218.45	-9111218.16	0.0088	0.0048
Neptune	-29657-09-29 20:23 J	-9110523.97	-9110523.65	-9110523.34	0.0088	0.0006
Neptune	-29655-08-25 17:31 J	-9109828.98	-9109828.77	-9109828.53	0.0088	0.0062
Jupiter	-29653-07-31 19:26 J	-9109122.96	-9109122.69	-9109122.41	0.0511	0.0099
Saturn	-29647-06-19 08:09 J	-9106974.16	-9106974.16	-9106974.14	0.0289	0.0289
Uranus	-29635-09-23 18:28 J	-9102494.93	-9102494.73	-9102494.49	0.0146	0.0094
Jupiter	-29624-10-27 06:14 J	-9098443.50	-9098443.24	-9098442.97	0.0517	0.0118

Jupiter	-29617-05-07 07:11 J	-9096059.40	-9096059.20	-9096059.00	0.0514	0.0354
Uranus	-29594-01-30 23:45 J	-9087755.76	-9087755.51	-9087755.26	0.0132	0.0086
Jupiter	-29588-08-01 10:19 J	-9085381.29	-9085381.07	-9085380.85	0.0514	0.0288
Neptune	-29577-10-02 08:23 J	-9081301.39	-9081301.15	-9081300.86	0.0089	0.0047
Neptune	-29575-08-28 06:57 J	-9080606.52	-9080606.21	-9080605.90	0.0089	0.0010
Neptune	-29573-07-23 01:26 J	-9079911.62	-9079911.44	-9079911.21	0.0089	0.0066
Saturn	-29573-10-24 12:14 J	-9079818.25	-9079817.99	-9079817.73	0.0271	0.0092
Saturn	-29559-11-12 12:28 J	-9074686.12	-9074685.98	-9074685.80	0.0289	0.0248
Uranus	-29552-06-16 15:21 J	-9072278.10	-9072277.86	-9072277.62	0.0146	0.0083
Jupiter	-29534-01-19 21:07 J	-9065851.78	-9065851.62	-9065851.45	0.0509	0.0408
Uranus	-29510-09-25 23:31 J	-9056836.84	-9056836.52	-9056836.19	0.0132	0.0009
Jupiter	-29505-04-16 20:23 J	-9055171.79	-9055171.65	-9055171.50	0.0519	0.0432
Jupiter	-29499-10-26 03:07 J	-9052788.65	-9052788.37	-9052788.09	0.0512	0.0028
Neptune	-29495-06-19 23:16 J	-9051455.68	-9051455.53	-9051455.33	0.0088	0.0072
Neptune	-29493-05-14 17:16 J	-9050761.07	-9050760.78	-9050760.45	0.0088	0.0019
Neptune	-29491-04-09 11:59 J	-9050066.26	-9050066.00	-9050065.69	0.0088	0.0038
Saturn	-29484-03-19 08:38 J	-9047530.39	-9047530.14	-9047529.87	0.0271	0.0081
Saturn	-29470-04-07 15:07 J	-9042398.07	-9042397.87	-9042397.64	0.0290	0.0209
Jupiter	-29469-01-21 09:07 J	-9042109.38	-9042109.12	-9042108.85	0.0516	0.0011
Uranus	-29467-02-09 20:52 J	-9041358.92	-9041358.63	-9041358.34	0.0146	0.0011
Jupiter	-29463-08-02 00:43 J	-9039724.55	-9039724.47	-9039724.39	0.0514	0.0492
Jupiter	-29434-10-27 03:35 J	-9029046.50	-9029046.35	-9029046.20	0.0514	0.0422
Uranus	-29425-05-21 00:43 J	-9025917.72	-9025917.47	-9025917.16	0.0132	0.0070
Pluto	-29424-04-13 17:59 J	-9025590.04	-9025589.75	-9025589.44	0.0065	0.0009
Neptune	-29413-05-17 01:26 J	-9021538.61	-9021538.44	-9021538.24	0.0089	0.0073
Neptune	-29411-04-12 00:28 J	-9020843.78	-9020843.48	-9020843.17	0.0089	0.0015
Neptune	-29409-03-06 21:50 J	-9020148.84	-9020148.59	-9020148.29	0.0089	0.0042
Saturn	-29396-08-12 22:47 J	-9015241.82	-9015241.55	-9015241.27	0.0270	0.0036
Uranus	-29383-10-06 01:26 J	-9010439.64	-9010439.44	-9010439.24	0.0146	0.0105
Saturn	-29382-08-31 10:33 J	-9010110.29	-9010110.06	-9010109.80	0.0290	0.0180

Jupiter	-29380-04-15 09:35 J	-9009517.34	-9009517.10	-9009516.86	0.0509	0.0274
Jupiter	-29351-07-12 02:52 J	-8998837.59	-8998837.38	-8998837.16	0.0518	0.0313
Jupiter	-29344-01-20 02:52 J	-8996453.64	-8996453.38	-8996453.11	0.0512	0.0176
Uranus	-29342-02-11 01:26 J	-8995701.70	-8995701.44	-8995701.18	0.0132	0.0080
Pluto	-29337-08-30 14:38 J	-8993674.10	-8993673.89	-8993673.65	0.0079	0.0058
Neptune	-29330-12-28 13:40 J	-8990998.17	-8990997.93	-8990997.63	0.0088	0.0044
Neptune	-29328-11-22 09:21 J	-8990303.42	-8990303.11	-8990302.79	0.0088	0.0012
Neptune	-29326-10-18 04:33 J	-8989608.49	-8989608.31	-8989608.08	0.0088	0.0068
Jupiter	-29315-04-17 02:52 J	-8985774.64	-8985774.38	-8985774.12	0.0516	0.0131
Saturn	-29307-01-05 22:04 J	-8982953.85	-8982953.58	-8982953.30	0.0270	0.0020
Uranus	-29300-06-28 22:04 J	-8980222.82	-8980222.58	-8980222.31	0.0146	0.0071
Saturn	-29293-01-23 23:16 J	-8977822.79	-8977822.53	-8977822.26	0.0290	0.0156
Uranus	-29258-10-07 01:11 J	-8964782.77	-8964782.45	-8964782.12	0.0132	0.0004
Neptune	-29248-11-24 18:14 J	-8961080.99	-8961080.74	-8961080.43	0.0089	0.0043
Neptune	-29246-10-20 17:02 J	-8960386.10	-8960385.79	-8960385.48	0.0089	0.0015
Neptune	-29244-09-14 12:57 J	-8959691.11	-8959690.96	-8959690.74	0.0089	0.0073
Jupiter	-29226-07-11 05:16 J	-8953182.55	-8953182.28	-8953182.01	0.0510	0.0132
Saturn	-29219-06-02 01:26 J	-8950664.71	-8950664.44	-8950664.16	0.0270	0.0040
Uranus	-29215-02-21 22:19 J	-8949303.85	-8949303.57	-8949303.27	0.0146	0.0019
Saturn	-29205-06-18 16:19 J	-8945534.11	-8945533.82	-8945533.52	0.0290	0.0103
Jupiter	-29197-10-05 14:09 J	-8942503.17	-8942502.91	-8942502.66	0.0518	0.0181
Jupiter	-29190-04-16 05:59 J	-8940119.47	-8940119.25	-8940119.02	0.0512	0.0297
Uranus	-29173-06-01 00:28 J	-8933863.73	-8933863.48	-8933863.19	0.0132	0.0073
Neptune	-29166-08-12 12:57 J	-8931235.12	-8931234.96	-8931234.72	0.0088	0.0068
Neptune	-29164-07-07 05:02 J	-8930540.59	-8930540.29	-8930539.96	0.0088	0.0014
Neptune	-29162-06-01 23:59 J	-8929845.76	-8929845.50	-8929845.20	0.0088	0.0043
Jupiter	-29161-07-10 19:11 J	-8929440.93	-8929440.70	-8929440.45	0.0516	0.0227
Uranus	-29131-10-17 19:11 J	-8918384.87	-8918384.70	-8918384.48	0.0146	0.0108
Saturn	-29131-10-26 19:26 J	-8918375.95	-8918375.69	-8918375.42	0.0270	0.0082
Saturn	-29117-11-11 22:19 J	-8913245.88	-8913245.57	-8913245.26	0.0290	0.0059

Jupiter	-29108-12-29 03:21 J	-8909911.49	-8909911.36	-8909911.21	0.0508	0.0438
Uranus	-29090-02-22 03:35 J	-8903647.62	-8903647.35	-8903647.08	0.0132	0.0074
Neptune	-29084-07-09 07:55 J	-8901318.34	-8901318.17	-8901317.94	0.0089	0.0070
Neptune	-29082-06-04 09:35 J	-8900623.40	-8900623.10	-8900622.78	0.0089	0.0011
Neptune	-29080-04-29 07:26 J	-8899928.44	-8899928.19	-8899927.91	0.0089	0.0046
Jupiter	-29078-03-26 11:16 J	-8899232.05	-8899232.03	-8899232.00	0.0521	0.0518
Jupiter	-29072-10-03 18:57 J	-8896848.99	-8896848.71	-8896848.43	0.0510	0.0033
Uranus	-29048-07-10 11:16 J	-8888168.28	-8888168.03	-8888167.77	0.0146	0.0072
Jupiter	-29043-12-30 00:14 J	-8886169.76	-8886169.49	-8886169.22	0.0518	0.0091
Saturn	-29042-03-23 10:19 J	-8886086.29	-8886086.07	-8886085.83	0.0270	0.0151
Jupiter	-29036-07-10 00:28 J	-8883785.64	-8883785.48	-8883785.30	0.0512	0.0406
Saturn	-29028-04-09 01:55 J	-8880955.73	-8880955.42	-8880955.10	0.0290	0.0037
Jupiter	-29007-10-04 17:16 J	-8873106.97	-8873106.78	-8873106.56	0.0515	0.0335
Uranus	-29006-10-18 02:52 J	-8872728.70	-8872728.38	-8872728.05	0.0132	0.0003

29TH MILLENNIUM BCE

This is a list of transits of Mars in the 29th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Neptune	-29000-02-19 03:21 J	-8870777.63	-8870777.36	-8870777.07	0.0088	0.0039		
Neptune	-28998-01-14 19:55 J	-8870082.98	-8870082.67	-8870082.36	0.0088	0.0017		
Neptune	-28997-12-09 15:21 J	-8869388.03	-8869387.86	-8869387.68	0.0088	0.0073		
Saturn	-28984-07-01 02:52 J	-8864801.56	-8864801.38	-8864801.20	0.0269	0.0207		
Uranus	-28963-03-05 15:35 J	-8857249.14	-8857248.85	-8857248.56	0.0146	0.0021		

Saturn	-28954-08-17 18:28 J	-8853796.90	-8853796.73	-8853796.56	0.0270	0.0210
Jupiter	-28953-03-23 06:28 J	-8853578.43	-8853578.23	-8853578.04	0.0508	0.0357
Saturn	-28940-09-03 06:14 J	-8848666.52	-8848666.24	-8848665.94	0.0290	0.0107
Jupiter	-28924-06-18 18:57 J	-8842898.85	-8842898.71	-8842898.54	0.0520	0.0427
Uranus	-28921-06-12 03:50 J	-8841809.60	-8841809.34	-8841809.07	0.0132	0.0080
Neptune	-28918-01-17 00:14 J	-8840860.76	-8840860.49	-8840860.19	0.0089	0.0038
Jupiter	-28918-12-28 06:14 J	-8840515.51	-8840515.24	-8840514.96	0.0510	0.0062
Neptune	-28917-12-12 00:43 J	-8840165.77	-8840165.47	-8840165.16	0.0089	0.0020
Neptune	-28915-11-06 21:50 J	-8839470.71	-8839470.59	-8839470.39	0.0089	0.0078
Saturn	-28896-11-25 11:45 J	-8832512.23	-8832512.01	-8832511.77	0.0269	0.0146
Jupiter	-28888-03-24 16:19 J	-8829836.09	-8829835.82	-8829835.55	0.0518	0.0008
Jupiter	-28882-10-03 10:47 J	-8827452.10	-8827452.05	-8827451.97	0.0513	0.0497
Uranus	-28879-10-29 21:21 J	-8826329.77	-8826329.61	-8826329.42	0.0146	0.0114
Saturn	-28865-01-11 23:59 J	-8821507.53	-8821507.50	-8821507.43	0.0270	0.0267
Jupiter	-28853-12-27 20:38 J	-8816773.79	-8816773.64	-8816773.47	0.0515	0.0407
Saturn	-28851-01-29 18:43 J	-8816375.92	-8816375.72	-8816375.50	0.0290	0.0214
Uranus	-28838-03-05 07:40 J	-8811593.44	-8811593.18	-8811592.87	0.0132	0.0067
Neptune	-28837-10-04 00:28 J	-8811014.67	-8811014.48	-8811014.24	0.0088	0.0064
Neptune	-28835-08-29 16:19 J	-8810320.13	-8810319.82	-8810319.51	0.0088	0.0009
Neptune	-28833-07-24 08:52 J	-8809625.38	-8809625.13	-8809624.85	0.0088	0.0047
Saturn	-28807-04-21 10:47 J	-8800223.30	-8800223.05	-8800222.79	0.0270	0.0102
Jupiter	-28799-06-16 20:52 J	-8797244.87	-8797244.63	-8797244.39	0.0508	0.0263
Uranus	-28796-07-22 18:57 J	-8796112.97	-8796112.71	-8796112.43	0.0146	0.0059
Jupiter	-28770-09-12 11:45 J	-8786565.21	-8786565.01	-8786564.79	0.0520	0.0330
Jupiter	-28763-03-22 18:28 J	-8784181.99	-8784181.73	-8784181.46	0.0510	0.0155
Saturn	-28763-06-25 18:14 J	-8784086.81	-8784086.74	-8784086.65	0.0290	0.0280
Neptune	-28755-08-31 12:28 J	-8781098.17	-8781097.98	-8781097.74	0.0089	0.0066
Uranus	-28754-10-29 09:50 J	-8780674.41	-8780674.09	-8780673.75	0.0132	0.0012
Neptune	-28753-07-26 14:23 J	-8780403.22	-8780402.90	-8780402.59	0.0089	0.0008
Neptune	-28751-06-21 13:11 J	-8779708.18	-8779707.95	-8779707.67	0.0089	0.0051

Jupiter	-28734-06-18 01:26 J	-8773502.71	-8773502.44	-8773502.17	0.0518	0.0090
Saturn	-28719-09-15 10:33 J	-8767934.34	-8767934.06	-8767933.79	0.0269	0.0047
Uranus	-28711-03-17 23:59 J	-8765193.78	-8765193.50	-8765193.21	0.0146	0.0035
Saturn	-28705-09-26 11:59 J	-8762809.07	-8762809.00	-8762808.90	0.0291	0.0278
Pluto	-28683-05-05 03:50 J	-8754918.59	-8754918.34	-8754918.04	0.0065	0.0028
Neptune	-28671-04-13 11:59 J	-8750557.27	-8750557.00	-8750556.70	0.0088	0.0036
Uranus	-28671-07-21 16:04 J	-8750457.83	-8750457.83	-8750457.79	0.0132	0.0132
Neptune	-28669-03-08 03:35 J	-8749862.64	-8749862.35	-8749862.03	0.0088	0.0021
Uranus	-28669-06-23 10:19 J	-8749755.29	-8749755.07	-8749754.80	0.0132	0.0089
Neptune	-28667-01-31 21:07 J	-8749167.75	-8749167.62	-8749167.44	0.0088	0.0077
Jupiter	-28645-09-09 20:23 J	-8740910.91	-8740910.65	-8740910.38	0.0508	0.0155
Saturn	-28630-02-08 13:11 J	-8735646.23	-8735645.95	-8735645.67	0.0269	0.0027
Uranus	-28629-12-08 13:11 J	-8734976.98	-8734976.95	-8734976.86	0.0146	0.0144
Uranus	-28627-11-11 01:11 J	-8734274.57	-8734274.45	-8734274.27	0.0146	0.0126
Saturn	-28616-02-20 02:52 J	-8730520.57	-8730520.38	-8730520.18	0.0292	0.0223
Jupiter	-28616-12-06 08:38 J	-8730231.38	-8730231.14	-8730230.89	0.0520	0.0229
Jupiter	-28609-06-16 03:07 J	-8727847.60	-8727847.37	-8727847.13	0.0510	0.0273
Pluto	-28596-09-20 10:04 J	-8723003.41	-8723003.08	-8723002.75	0.0079	0.0002
Neptune	-28589-03-10 01:40 J	-8720640.70	-8720640.43	-8720640.12	0.0089	0.0036
Neptune	-28587-02-03 02:52 J	-8719945.67	-8719945.38	-8719945.06	0.0089	0.0023
Uranus	-28586-03-16 18:57 J	-8719539.00	-8719538.71	-8719538.41	0.0132	0.0054
Neptune	-28586-12-30 01:26 J	-8719250.55	-8719250.44	-8719250.29	0.0089	0.0081
Jupiter	-28580-09-11 15:07 J	-8717168.11	-8717167.87	-8717167.62	0.0517	0.0220
Uranus	-28544-08-03 15:07 J	-8704058.14	-8704057.87	-8704057.59	0.0146	0.0053
Saturn	-28542-07-05 04:33 J	-8703357.59	-8703357.31	-8703357.03	0.0268	0.0021
Saturn	-28528-07-15 23:16 J	-8698232.75	-8698232.53	-8698232.28	0.0292	0.0193
Jupiter	-28526-03-01 11:59 J	-8697639.13	-8697639.00	-8697638.86	0.0506	0.0436
Neptune	-28508-11-26 08:23 J	-8690794.35	-8690794.15	-8690793.91	0.0088	0.0062
Neptune	-28506-10-21 22:04 J	-8690099.88	-8690099.58	-8690099.26	0.0088	0.0007
Neptune	-28504-09-15 13:40 J	-8689405.16	-8689404.93	-8689404.64	0.0088	0.0050

Uranus	-28502-11-09 21:35 J	-8688619.92	-8688619.60	-8688619.28	0.0132	0.0023
Jupiter	-28491-12-05 16:47 J	-8684576.08	-8684575.80	-8684575.52	0.0508	0.0019
Jupiter	-28461-03-02 04:33 J	-8673896.58	-8673896.31	-8673896.04	0.0520	0.0085
Uranus	-28459-03-29 20:09 J	-8673138.94	-8673138.66	-8673138.37	0.0146	0.0040
Jupiter	-28455-09-10 16:47 J	-8671512.97	-8671512.80	-8671512.63	0.0511	0.0403
Saturn	-28454-11-28 00:14 J	-8671069.76	-8671069.49	-8671069.21	0.0268	0.0034
Saturn	-28440-12-08 09:07 J	-8665945.36	-8665945.12	-8665944.86	0.0292	0.0172
Pluto	-28437-09-24 03:50 J	-8664924.63	-8664924.34	-8664924.03	0.0065	0.0008
Neptune	-28426-10-23 09:50 J	-8660878.28	-8660878.09	-8660877.84	0.0089	0.0066
Jupiter	-28426-12-06 17:31 J	-8660833.98	-8660833.77	-8660833.56	0.0517	0.0326
Neptune	-28424-09-17 13:55 J	-8660183.22	-8660182.92	-8660182.59	0.0089	0.0007
Neptune	-28422-08-13 14:09 J	-8659488.14	-8659487.91	-8659487.63	0.0089	0.0053
Uranus	-28419-08-02 08:52 J	-8658403.26	-8658403.13	-8658402.97	0.0132	0.0117
Uranus	-28417-07-05 01:40 J	-8657700.61	-8657700.43	-8657700.20	0.0132	0.0102
Uranus	-28377-12-20 13:26 J	-8642922.03	-8642921.94	-8642921.80	0.0146	0.0135
Uranus	-28375-11-23 03:35 J	-8642219.46	-8642219.35	-8642219.22	0.0147	0.0134
Jupiter	-28372-05-26 10:33 J	-8641304.28	-8641304.06	-8641303.84	0.0506	0.0296
Saturn	-28365-04-22 19:40 J	-8638780.93	-8638780.68	-8638780.40	0.0268	0.0085
Saturn	-28351-05-03 12:57 J	-8633657.24	-8633656.96	-8633656.69	0.0292	0.0136
Pluto	-28349-02-09 14:23 J	-8633010.02	-8633009.90	-8633009.70	0.0079	0.0070
Jupiter	-28343-08-21 08:09 J	-8630625.33	-8630625.16	-8630624.99	0.0522	0.0406
Neptune	-28342-06-05 16:47 J	-8630337.07	-8630336.80	-8630336.50	0.0088	0.0034
Neptune	-28340-04-30 05:59 J	-8629642.53	-8629642.25	-8629641.93	0.0088	0.0023
Neptune	-28338-03-25 21:50 J	-8628947.71	-8628947.59	-8628947.42	0.0088	0.0078
Jupiter	-28336-03-01 01:26 J	-8628241.71	-8628241.44	-8628241.16	0.0509	0.0106
Uranus	-28334-03-28 12:57 J	-8627484.26	-8627483.96	-8627483.64	0.0132	0.0039
Jupiter	-28307-05-27 02:38 J	-8617562.66	-8617562.39	-8617562.11	0.0519	0.0024
Uranus	-28292-08-16 01:26 J	-8612002.72	-8612002.44	-8612002.15	0.0147	0.0037
Saturn	-28277-09-16 03:07 J	-8606492.62	-8606492.37	-8606492.11	0.0268	0.0114
Jupiter	-28271-03-02 08:38 J	-8604499.25	-8604499.14	-8604499.01	0.0517	0.0460

Saturn	-28263-09-26 05:02 J	-8601369.57	-8601369.29	-8601368.99	0.0292	0.0109
Neptune	-28260-05-01 20:09 J	-8600420.94	-8600420.66	-8600420.35	0.0089	0.0035
Neptune	-28258-03-27 23:31 J	-8599725.81	-8599725.52	-8599725.20	0.0089	0.0025
Neptune	-28256-02-20 00:28 J	-8599030.59	-8599030.48	-8599030.36	0.0089	0.0083
Uranus	-28250-11-21 18:57 J	-8596565.01	-8596564.71	-8596564.38	0.0132	0.0041
Saturn	-28219-12-25 15:35 J	-8585207.94	-8585207.85	-8585207.73	0.0267	0.0246
Jupiter	-28218-08-20 08:52 J	-8584970.38	-8584970.13	-8584969.87	0.0507	0.0189
Uranus	-28207-04-11 13:11 J	-8581083.20	-8581082.95	-8581082.67	0.0147	0.0061
Pluto	-28190-02-14 08:52 J	-8574930.36	-8574930.13	-8574929.84	0.0065	0.0034
Jupiter	-28189-11-14 00:28 J	-8574291.70	-8574291.48	-8574291.26	0.0521	0.0302
Saturn	-28188-02-10 11:02 J	-8574203.23	-8574203.04	-8574202.81	0.0268	0.0176
Jupiter	-28182-05-26 04:47 J	-8571907.55	-8571907.30	-8571907.05	0.0509	0.0222
Neptune	-28178-01-18 09:35 J	-8570574.28	-8570574.10	-8570573.85	0.0088	0.0063
Neptune	-28177-12-12 23:45 J	-8569879.82	-8569879.51	-8569879.20	0.0088	0.0006
Neptune	-28175-11-07 13:11 J	-8569185.18	-8569184.95	-8569184.67	0.0088	0.0050
Saturn	-28174-02-20 18:28 J	-8569080.03	-8569079.73	-8569079.42	0.0293	0.0032
Uranus	-28167-08-14 09:21 J	-8566348.30	-8566348.11	-8566347.87	0.0132	0.0098
Uranus	-28165-07-17 00:28 J	-8565645.59	-8565645.48	-8565645.32	0.0132	0.0120
Jupiter	-28153-08-20 07:55 J	-8561228.43	-8561228.17	-8561227.91	0.0519	0.0143
Saturn	-28130-05-22 01:40 J	-8552918.62	-8552918.43	-8552918.22	0.0268	0.0184
Uranus	-28124-01-02 05:45 J	-8550866.43	-8550866.26	-8550866.06	0.0147	0.0114
Saturn	-28100-07-07 15:50 J	-8541913.97	-8541913.84	-8541913.69	0.0268	0.0231
Jupiter	-28099-02-07 11:59 J	-8541699.08	-8541699.00	-8541698.92	0.0505	0.0482
Neptune	-28097-12-14 01:55 J	-8540658.63	-8540658.42	-8540658.19	0.0089	0.0066
Neptune	-28095-11-09 06:14 J	-8539963.56	-8539963.24	-8539962.92	0.0089	0.0005
Neptune	-28093-10-04 08:09 J	-8539268.38	-8539268.16	-8539267.88	0.0089	0.0054
Saturn	-28086-07-17 15:35 J	-8536791.16	-8536790.85	-8536790.54	0.0292	0.0031
Uranus	-28082-04-09 15:50 J	-8535429.16	-8535428.84	-8535428.51	0.0132	0.0019
Jupiter	-28064-11-13 00:43 J	-8528636.74	-8528636.47	-8528636.20	0.0507	0.0092
Saturn	-28042-10-16 10:47 J	-8520629.28	-8520629.05	-8520628.79	0.0267	0.0123

Uranus	-28040-08-28 12:14 J	-8519947.27	-8519946.99	-8519946.69	0.0147	0.0021
Jupiter	-28034-02-07 18:57 J	-8517957.96	-8517957.71	-8517957.46	0.0521	0.0199
Jupiter	-28028-08-18 17:16 J	-8515573.99	-8515573.78	-8515573.55	0.0509	0.0313
Neptune	-28013-07-27 14:09 J	-8510117.17	-8510116.91	-8510116.60	0.0088	0.0035
Neptune	-28011-06-22 03:50 J	-8509422.63	-8509422.34	-8509422.03	0.0088	0.0021
Neptune	-28009-05-16 17:59 J	-8508727.88	-8508727.75	-8508727.59	0.0088	0.0078

28TH MILLENNIUM BCE

This is a list of transits of Mars in the 28th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-27999-11-13 09:21 J	-8504895.36	-8504895.11	-8504894.86	0.0519	0.0215		
Uranus	-27998-12-03 21:50 J	-8504509.85	-8504509.59	-8504509.27	0.0132	0.0061		
Saturn	-27998-12-13 05:31 J	-8504500.53	-8504500.27	-8504499.99	0.0292	0.0142		
Uranus	-27955-04-23 17:31 J	-8489028.01	-8489027.77	-8489027.50	0.0147	0.0072		
Saturn	-27953-03-11 18:14 J	-8488340.00	-8488339.74	-8488339.46	0.0268	0.0066		
Jupiter	-27945-05-02 23:02 J	-8485365.70	-8485365.54	-8485365.37	0.0505	0.0398		
Pluto	-27944-07-06 20:09 J	-8484935.88	-8484935.66	-8484935.42	0.0065	0.0043		
Neptune	-27931-06-23 09:35 J	-8480201.38	-8480201.10	-8480200.80	0.0089	0.0036		
Neptune	-27929-05-18 12:57 J	-8479506.24	-8479505.96	-8479505.63	0.0089	0.0025		
Neptune	-27927-04-13 15:07 J	-8478810.95	-8478810.87	-8478810.73	0.0089	0.0083		
Uranus	-27915-08-26 16:47 J	-8474293.05	-8474292.80	-8474292.52	0.0132	0.0076		
Jupiter	-27909-02-06 08:52 J	-8472303.41	-8472303.13	-8472302.86	0.0507	0.0012		
Saturn	-27909-05-08 13:26 J	-8472211.14	-8472210.94	-8472210.73	0.0292	0.0219		

Jupiter	-27880-05-02 21:21 J	-8461624.87	-8461624.61	-8461624.34	0.0521	0.0127
Jupiter	-27874-11-12 02:38 J	-8459240.55	-8459240.39	-8459240.20	0.0509	0.0392
Uranus	-27872-01-14 09:35 J	-8458811.30	-8458811.10	-8458810.88	0.0147	0.0102
Saturn	-27865-08-06 01:40 J	-8456050.71	-8456050.43	-8456050.15	0.0267	0.0003
Neptune	-27849-03-11 06:28 J	-8450354.41	-8450354.23	-8450353.99	0.0088	0.0064
Neptune	-27847-02-03 17:16 J	-8449660.08	-8449659.78	-8449659.47	0.0088	0.0008
Neptune	-27846-12-30 07:11 J	-8448965.45	-8448965.20	-8448964.93	0.0088	0.0049
Jupiter	-27844-02-06 05:31 J	-8448561.48	-8448561.27	-8448561.05	0.0518	0.0315
Uranus	-27830-04-21 23:45 J	-8443373.83	-8443373.51	-8443373.18	0.0132	0.0004
Jupiter	-27791-07-27 14:52 J	-8429032.09	-8429031.88	-8429031.66	0.0505	0.0309
Uranus	-27788-09-09 22:19 J	-8427891.86	-8427891.57	-8427891.27	0.0147	0.0005
Saturn	-27777-12-30 12:14 J	-8423762.27	-8423761.99	-8423761.71	0.0268	0.0030
Neptune	-27767-02-04 09:21 J	-8420439.28	-8420439.11	-8420438.87	0.0089	0.0068
Neptune	-27766-12-31 16:33 J	-8419744.12	-8419743.81	-8419743.49	0.0089	0.0007
Neptune	-27764-11-25 19:40 J	-8419048.91	-8419048.68	-8419048.40	0.0089	0.0053
Saturn	-27762-01-05 02:38 J	-8418643.50	-8418643.39	-8418643.24	0.0293	0.0264
Jupiter	-27762-10-21 10:47 J	-8418354.17	-8418354.05	-8418353.93	0.0523	0.0473
Jupiter	-27755-05-02 07:40 J	-8415969.45	-8415969.18	-8415968.91	0.0507	0.0086
Uranus	-27747-01-12 22:33 J	-8413156.59	-8413156.56	-8413156.50	0.0132	0.0130
Uranus	-27746-12-16 08:23 J	-8412454.37	-8412454.15	-8412453.88	0.0132	0.0085
Jupiter	-27726-07-28 05:16 J	-8405290.56	-8405290.28	-8405290.01	0.0521	0.0008
Jupiter	-27719-02-05 02:09 J	-8402906.46	-8402906.41	-8402906.33	0.0510	0.0495
Uranus	-27703-05-06 15:35 J	-8396972.06	-8396971.85	-8396971.61	0.0147	0.0096
Pluto	-27698-11-27 11:45 J	-8394941.21	-8394941.01	-8394940.77	0.0065	0.0045
Jupiter	-27690-05-02 23:45 J	-8392227.67	-8392227.51	-8392227.33	0.0519	0.0406
Saturn	-27688-05-26 06:57 J	-8391473.48	-8391473.21	-8391472.94	0.0267	0.0081
Neptune	-27684-09-18 07:55 J	-8389897.43	-8389897.17	-8389896.87	0.0088	0.0038
Neptune	-27682-08-13 18:57 J	-8389203.01	-8389202.71	-8389202.40	0.0088	0.0018
Neptune	-27680-07-08 08:09 J	-8388508.30	-8388508.16	-8388507.98	0.0088	0.0075
Saturn	-27674-05-31 08:09 J	-8386355.35	-8386355.16	-8386354.96	0.0293	0.0222

Uranus	-27663-09-08 06:43 J	-8382237.50	-8382237.22	-8382236.90	0.0132	0.0050
Jupiter	-27637-10-21 04:47 J	-8372697.55	-8372697.30	-8372697.04	0.0505	0.0191
Uranus	-27620-01-27 09:50 J	-8366755.33	-8366755.09	-8366754.82	0.0147	0.0076
Jupiter	-27607-01-15 05:16 J	-8362019.49	-8362019.28	-8362019.07	0.0523	0.0332
Neptune	-27602-08-14 15:21 J	-8359982.13	-8359981.86	-8359981.55	0.0089	0.0039
Jupiter	-27601-07-26 17:16 J	-8359635.03	-8359634.78	-8359634.53	0.0508	0.0202
Neptune	-27600-07-09 21:35 J	-8359286.90	-8359286.60	-8359286.28	0.0089	0.0022
Saturn	-27600-10-19 02:23 J	-8359185.66	-8359185.40	-8359185.14	0.0267	0.0096
Neptune	-27598-06-05 00:57 J	-8358591.55	-8358591.46	-8358591.30	0.0089	0.0082
Saturn	-27586-10-23 22:47 J	-8354067.76	-8354067.55	-8354067.30	0.0294	0.0196
Uranus	-27578-05-04 16:19 J	-8351318.13	-8351317.82	-8351317.50	0.0132	0.0031
Jupiter	-27572-10-21 06:43 J	-8348956.48	-8348956.22	-8348955.95	0.0521	0.0099
Uranus	-27536-09-23 00:14 J	-8335835.77	-8335835.49	-8335835.19	0.0147	0.0023
Neptune	-27520-05-02 22:19 J	-8330134.75	-8330134.57	-8330134.36	0.0088	0.0068
Neptune	-27518-03-28 08:23 J	-8329440.45	-8329440.15	-8329439.84	0.0088	0.0012
Jupiter	-27518-04-12 10:19 J	-8329425.19	-8329425.07	-8329424.94	0.0503	0.0444
Neptune	-27516-02-19 19:11 J	-8328745.95	-8328745.70	-8328745.42	0.0088	0.0045
Saturn	-27511-03-14 18:57 J	-8326896.95	-8326896.71	-8326896.47	0.0266	0.0143
Saturn	-27497-03-17 20:23 J	-8321779.89	-8321779.65	-8321779.39	0.0294	0.0169
Uranus	-27495-01-25 16:33 J	-8321101.00	-8321100.81	-8321100.60	0.0132	0.0102
Uranus	-27494-12-29 01:40 J	-8320398.57	-8320398.43	-8320398.23	0.0132	0.0112
Jupiter	-27482-01-15 16:33 J	-8316363.08	-8316362.81	-8316362.54	0.0506	0.0069
Jupiter	-27453-04-10 08:23 J	-8305685.40	-8305685.15	-8305684.90	0.0523	0.0216
Saturn	-27453-06-21 18:14 J	-8305612.87	-8305612.74	-8305612.60	0.0266	0.0231
Pluto	-27451-04-19 11:16 J	-8304946.28	-8304946.03	-8304945.73	0.0065	0.0030
Uranus	-27451-05-19 08:09 J	-8304916.33	-8304916.16	-8304915.97	0.0147	0.0115
Jupiter	-27447-10-21 11:45 J	-8303300.21	-8303300.01	-8303299.80	0.0508	0.0335
Neptune	-27438-03-28 12:28 J	-8300220.16	-8300219.98	-8300219.77	0.0089	0.0072
Neptune	-27436-02-20 20:23 J	-8299524.96	-8299524.65	-8299524.33	0.0089	0.0010
Neptune	-27434-01-17 01:40 J	-8298829.68	-8298829.43	-8298829.16	0.0089	0.0051

Saturn	-27423-08-07 20:52 J	-8294608.85	-8294608.63	-8294608.41	0.0266	0.0166
Jupiter	-27417-01-16 05:31 J	-8292621.51	-8292621.27	-8292621.03	0.0520	0.0244
Uranus	-27411-09-21 02:09 J	-8290181.73	-8290181.41	-8290181.09	0.0132	0.0022
Saturn	-27409-08-10 02:52 J	-8289492.63	-8289492.38	-8289492.11	0.0294	0.0156
Uranus	-27368-02-08 22:04 J	-8274699.84	-8274699.58	-8274699.29	0.0147	0.0059
Saturn	-27365-11-15 03:21 J	-8273324.53	-8273324.36	-8273324.17	0.0266	0.0201
Jupiter	-27364-07-06 16:47 J	-8273091.00	-8273090.80	-8273090.59	0.0504	0.0332
Pluto	-27364-09-02 20:52 J	-8273032.66	-8273032.63	-8273032.51	0.0079	0.0078
Neptune	-27355-11-09 21:35 J	-8269677.84	-8269677.60	-8269677.30	0.0088	0.0042
Neptune	-27353-10-04 08:23 J	-8268983.46	-8268983.15	-8268982.85	0.0088	0.0014
Neptune	-27351-08-29 19:55 J	-8268288.84	-8268288.67	-8268288.48	0.0088	0.0071
Saturn	-27334-01-01 23:02 J	-8262319.68	-8262319.54	-8262319.37	0.0266	0.0222
Jupiter	-27328-04-11 04:19 J	-8260028.59	-8260028.32	-8260028.05	0.0506	0.0055
Uranus	-27326-05-17 11:02 J	-8259262.32	-8259262.04	-8259261.74	0.0132	0.0058
Saturn	-27320-01-03 23:59 J	-8257203.78	-8257203.50	-8257203.20	0.0294	0.0100
Jupiter	-27299-07-05 22:47 J	-8249350.82	-8249350.55	-8249350.27	0.0522	0.0079
Jupiter	-27292-01-14 21:35 J	-8246965.71	-8246965.60	-8246965.47	0.0508	0.0454
Uranus	-27284-10-05 09:07 J	-8243780.39	-8243780.12	-8243779.82	0.0147	0.0037
Saturn	-27276-04-11 08:38 J	-8241035.38	-8241035.14	-8241034.90	0.0266	0.0144
Neptune	-27273-10-04 16:47 J	-8239763.06	-8239762.80	-8239762.49	0.0089	0.0044
Neptune	-27271-08-31 00:14 J	-8239067.79	-8239067.49	-8239067.16	0.0089	0.0019
Neptune	-27269-07-26 04:47 J	-8238372.42	-8238372.30	-8238372.13	0.0089	0.0080
Jupiter	-27263-04-10 20:09 J	-8236287.87	-8236287.66	-8236287.46	0.0520	0.0338
Uranus	-27243-02-07 12:43 J	-8229045.21	-8229044.97	-8229044.69	0.0132	0.0075
Saturn	-27232-05-30 08:38 J	-8224915.44	-8224915.14	-8224914.84	0.0294	0.0055
Jupiter	-27210-09-30 16:19 J	-8216757.05	-8216756.82	-8216756.57	0.0504	0.0229
Pluto	-27205-09-09 11:59 J	-8214951.29	-8214951.00	-8214950.68	0.0065	0.0009
Uranus	-27201-06-28 04:47 J	-8213563.40	-8213563.30	-8213563.15	0.0147	0.0133
Uranus	-27199-06-01 03:50 J	-8212860.44	-8212860.34	-8212860.23	0.0147	0.0136
Neptune	-27191-06-24 13:11 J	-8209915.09	-8209914.95	-8209914.74	0.0088	0.0072

Neptune -27189-05-18 20:52 J -8209220.92 -8209220.63 -8209220.31 0.0088 0.0017
 Saturn -27188-09-05 11:59 J -8208746.26 -8208746.00 -8208745.73 0.0266 0.0089
 Neptune -27187-04-13 06:43 J -8208526.47 -8208526.22 -8208525.93 0.0088 0.0041
 Jupiter -27181-12-23 00:57 J -8206080.61 -8206080.46 -8206080.30 0.0524 0.0432
 Jupiter -27174-07-05 23:31 J -8203694.78 -8203694.52 -8203694.26 0.0506 0.0150
 Uranus -27159-10-03 22:19 J -8198125.89 -8198125.57 -8198125.25 0.0132 0.0006
 Jupiter -27145-09-28 03:21 J -8193017.64 -8193017.36 -8193017.08 0.0522 0.0002
 Saturn -27144-10-25 16:19 J -8192625.12 -8192624.82 -8192624.52 0.0294 0.0049
 Pluto -27117-01-25 02:23 J -8183037.69 -8183037.40 -8183037.08 0.0079 0.0025
 Uranus -27116-02-21 23:02 J -8182643.83 -8182643.54 -8182643.25 0.0147 0.0033
 Neptune -27109-05-18 09:07 J -8180001.25 -8180001.12 -8180000.92 0.0089 0.0078
 Jupiter -27109-07-04 11:16 J -8179954.17 -8179954.03 -8179953.87 0.0519 0.0432
 Neptune -27107-04-13 20:09 J -8179305.98 -8179305.66 -8179305.34 0.0089 0.0015
 Neptune -27105-03-09 03:07 J -8178610.62 -8178610.37 -8178610.07 0.0089 0.0048
 Saturn -27099-01-30 20:52 J -8176456.91 -8176456.63 -8176456.35 0.0266 0.0030
 Uranus -27076-06-27 00:57 J -8167908.52 -8167908.46 -8167908.33 0.0132 0.0127
 Uranus -27074-05-30 08:23 J -8167206.39 -8167206.15 -8167205.91 0.0132 0.0086
 Jupiter -27056-12-24 00:57 J -8160423.72 -8160423.46 -8160423.20 0.0504 0.0152
 Saturn -27055-03-22 02:52 J -8160335.65 -8160335.38 -8160335.10 0.0294 0.0130
 Uranus -27032-10-18 16:47 J -8151724.06 -8151723.80 -8151723.53 0.0147 0.0067
 Jupiter -27026-03-17 23:59 J -8149747.69 -8149747.50 -8149747.29 0.0524 0.0365
 Neptune -27025-01-01 13:26 J -8149458.17 -8149457.94 -8149457.65 0.0088 0.0047
 Neptune -27024-11-25 21:35 J -8148763.89 -8148763.60 -8148763.28 0.0088 0.0011
 Neptune -27022-10-21 07:11 J -8148069.36 -8148069.20 -8148068.97 0.0088 0.0068
 Jupiter -27020-09-28 05:59 J -8147361.49 -8147361.25 -8147361.00 0.0506 0.0221
 Saturn -27011-06-27 08:09 J -8144167.44 -8144167.16 -8144166.88 0.0266 0.0040

27TH MILLENNIUM BCE

This is a list of transits of Mars in the 27th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-26991-02-20 09:50 J		-8136989.38	-8136989.09	-8136988.77	0.0132	0.0046	
Jupiter	-26991-12-22 18:57 J		-8136683.98	-8136683.71	-8136683.44	0.0521	0.0093	
Saturn	-26967-08-17 11:45 J		-8128045.17	-8128045.01	-8128044.82	0.0294	0.0243	
Pluto	-26958-01-31 21:35 J		-8124955.85	-8124955.60	-8124955.31	0.0066	0.0032	
Jupiter	-26955-09-27 17:16 J		-8123620.84	-8123620.78	-8123620.71	0.0520	0.0503	
Uranus	-26949-07-11 04:04 J		-8121507.52	-8121507.33	-8121507.11	0.0147	0.0107	
Neptune	-26944-11-25 13:26 J		-8119544.20	-8119543.94	-8119543.65	0.0089	0.0049	
Neptune	-26942-10-21 23:31 J		-8118848.83	-8118848.52	-8118848.19	0.0089	0.0014	
Neptune	-26940-09-16 05:59 J		-8118153.38	-8118153.25	-8118153.05	0.0089	0.0077	
Jupiter	-26937-06-13 10:33 J		-8117152.18	-8117152.06	-8117151.92	0.0502	0.0439	
Saturn	-26923-11-21 04:04 J		-8111878.58	-8111878.33	-8111878.05	0.0266	0.0087	
Uranus	-26907-10-16 17:02 J		-8106070.09	-8106069.79	-8106069.46	0.0132	0.0033	
Jupiter	-26901-03-18 14:23 J		-8104090.17	-8104089.90	-8104089.63	0.0504	0.0075	
Jupiter	-26872-06-10 23:45 J		-8093413.75	-8093413.51	-8093413.27	0.0524	0.0256	
Pluto	-26871-06-17 17:59 J		-8093041.97	-8093041.75	-8093041.48	0.0079	0.0052	
Jupiter	-26866-12-22 20:38 J		-8091027.86	-8091027.64	-8091027.42	0.0507	0.0304	
Uranus	-26864-03-06 16:04 J		-8090588.12	-8090587.83	-8090587.53	0.0147	0.0012	
Neptune	-26862-08-16 07:26 J		-8089695.33	-8089695.19	-8089695.02	0.0088	0.0075	
Neptune	-26860-07-10 14:52 J		-8089001.18	-8089000.88	-8089000.58	0.0088	0.0019	
Neptune	-26858-06-04 22:19 J		-8088306.84	-8088306.57	-8088306.28	0.0088	0.0037	
Jupiter	-26836-03-17 05:31 J		-8080350.53	-8080350.27	-8080350.01	0.0522	0.0171	
Saturn	-26834-04-17 06:57 J		-8079589.44	-8079589.21	-8079588.97	0.0266	0.0148	

Uranus	-26824-07-09 18:43 J	-8075852.90	-8075852.72	-8075852.48	0.0132	0.0100
Uranus	-26822-06-11 23:59 J	-8075150.66	-8075150.50	-8075150.32	0.0132	0.0111
Saturn	-26820-04-14 13:26 J	-8074478.04	-8074477.94	-8074477.82	0.0295	0.0274
Jupiter	-26783-09-07 15:07 J	-8060818.07	-8060817.87	-8060817.67	0.0502	0.0341
Neptune	-26780-07-09 05:31 J	-8059782.35	-8059782.27	-8059782.11	0.0089	0.0084
Uranus	-26780-10-31 01:11 J	-8059668.69	-8059668.45	-8059668.20	0.0147	0.0081
Neptune	-26778-06-04 17:31 J	-8059087.08	-8059086.77	-8059086.45	0.0089	0.0020
Neptune	-26776-04-30 03:07 J	-8058391.64	-8058391.37	-8058391.07	0.0089	0.0043
Saturn	-26776-07-25 04:04 J	-8058305.46	-8058305.33	-8058305.17	0.0265	0.0226
Jupiter	-26747-06-12 16:04 J	-8047756.10	-8047755.83	-8047755.56	0.0505	0.0025
Saturn	-26746-09-10 07:26 J	-8047301.39	-8047301.19	-8047300.96	0.0266	0.0172
Uranus	-26739-03-04 23:16 J	-8044933.84	-8044933.53	-8044933.21	0.0132	0.0023
Saturn	-26732-09-07 15:21 J	-8042190.04	-8042189.86	-8042189.67	0.0295	0.0233
Jupiter	-26718-09-04 19:55 J	-8037079.93	-8037079.67	-8037079.40	0.0524	0.0159
Jupiter	-26711-03-18 04:19 J	-8034693.47	-8034693.32	-8034693.16	0.0506	0.0412
Uranus	-26697-07-23 13:55 J	-8029452.13	-8029451.92	-8029451.67	0.0146	0.0090
Neptune	-26696-02-22 08:52 J	-8029238.36	-8029238.13	-8029237.85	0.0088	0.0049
Neptune	-26694-01-17 17:02 J	-8028544.09	-8028543.79	-8028543.48	0.0088	0.0008
Neptune	-26693-12-12 00:57 J	-8027849.64	-8027849.46	-8027849.22	0.0088	0.0066
Saturn	-26688-12-18 01:55 J	-8026017.58	-8026017.42	-8026017.23	0.0265	0.0208
Jupiter	-26682-06-12 00:14 J	-8024015.71	-8024015.49	-8024015.26	0.0521	0.0307
Saturn	-26657-02-03 22:47 J	-8015012.71	-8015012.55	-8015012.39	0.0265	0.0217
Uranus	-26655-10-29 04:33 J	-8014014.60	-8014014.31	-8014014.01	0.0132	0.0056
Saturn	-26643-01-31 12:43 J	-8009902.19	-8009901.97	-8009901.75	0.0295	0.0207
Jupiter	-26629-12-02 00:43 J	-8004483.71	-8004483.47	-8004483.23	0.0503	0.0229
Neptune	-26614-01-16 11:45 J	-7999325.25	-7999325.01	-7999324.73	0.0089	0.0054
Neptune	-26613-12-11 22:47 J	-7998629.86	-7998629.55	-7998629.22	0.0089	0.0011
Uranus	-26612-03-19 07:26 J	-7998532.49	-7998532.19	-7998531.89	0.0146	0.0009
Neptune	-26611-11-07 08:09 J	-7997934.34	-7997934.16	-7997933.97	0.0089	0.0073
Jupiter	-26599-02-22 10:33 J	-7993809.17	-7993809.06	-7993808.96	0.0526	0.0487

Saturn	-26599-05-13 15:50 J	-7993729.06	-7993728.84	-7993728.61	0.0265	0.0164
Jupiter	-26593-09-06 10:19 J	-7991421.33	-7991421.07	-7991420.81	0.0505	0.0151
Uranus	-26572-07-22 03:35 J	-7983797.59	-7983797.35	-7983797.07	0.0132	0.0078
Saturn	-26569-06-28 17:59 J	-7982724.87	-7982724.75	-7982724.61	0.0265	0.0233
Jupiter	-26564-11-29 22:33 J	-7980744.84	-7980744.56	-7980744.28	0.0523	0.0006
Saturn	-26555-06-25 13:11 J	-7977615.16	-7977614.95	-7977614.72	0.0295	0.0203
Neptune	-26533-10-07 08:09 J	-7969475.26	-7969475.16	-7969474.98	0.0088	0.0078
Neptune	-26531-09-01 13:26 J	-7968781.23	-7968780.94	-7968780.64	0.0088	0.0021
Neptune	-26529-07-26 20:38 J	-7968086.90	-7968086.64	-7968086.34	0.0088	0.0036
Jupiter	-26528-09-05 05:31 J	-7967681.43	-7967681.27	-7967681.11	0.0521	0.0421
Uranus	-26528-11-13 00:28 J	-7967612.68	-7967612.48	-7967612.28	0.0146	0.0107
Saturn	-26511-10-06 14:52 J	-7961441.11	-7961440.88	-7961440.63	0.0265	0.0145
Jupiter	-26510-05-24 13:55 J	-7961211.01	-7961210.92	-7961210.82	0.0501	0.0466
Uranus	-26487-03-17 08:52 J	-7952878.45	-7952878.13	-7952877.81	0.0132	0.0000
Jupiter	-26474-02-26 17:45 J	-7948149.02	-7948148.76	-7948148.49	0.0503	0.0101
Saturn	-26467-11-18 19:26 J	-7945326.94	-7945326.69	-7945326.44	0.0296	0.0167
Neptune	-26451-08-30 05:31 J	-7939563.31	-7939563.27	-7939563.18	0.0089	0.0088
Neptune	-26449-07-25 19:26 J	-7938867.99	-7938867.69	-7938867.36	0.0089	0.0024
Neptune	-26447-06-21 06:14 J	-7938172.51	-7938172.24	-7938171.93	0.0089	0.0041
Jupiter	-26445-05-19 09:21 J	-7937474.32	-7937474.11	-7937473.89	0.0525	0.0335
Uranus	-26445-08-05 12:43 J	-7937396.22	-7937395.97	-7937395.68	0.0146	0.0064
Jupiter	-26439-12-02 02:38 J	-7935086.61	-7935086.39	-7935086.16	0.0505	0.0275
Saturn	-26422-03-02 11:45 J	-7929152.28	-7929152.01	-7929151.75	0.0265	0.0097
Jupiter	-26409-02-23 21:07 J	-7924410.89	-7924410.62	-7924410.35	0.0523	0.0103
Uranus	-26403-11-10 10:47 J	-7921959.32	-7921959.05	-7921958.79	0.0132	0.0076
Saturn	-26378-04-13 12:28 J	-7913039.24	-7913038.98	-7913038.71	0.0295	0.0144
Neptune	-26367-04-16 13:26 J	-7909018.17	-7909017.94	-7909017.67	0.0088	0.0050
Neptune	-26365-03-10 18:28 J	-7908324.02	-7908323.73	-7908323.41	0.0088	0.0008
Neptune	-26363-02-03 01:40 J	-7907629.62	-7907629.43	-7907629.21	0.0088	0.0064
Uranus	-26360-04-01 00:28 J	-7906476.77	-7906476.48	-7906476.19	0.0146	0.0030

Jupiter	-26356-08-17 22:04 J	-7904876.76	-7904876.58	-7904876.39	0.0501	0.0355
Saturn	-26334-07-27 07:26 J	-7896863.46	-7896863.19	-7896862.90	0.0265	0.0051
Jupiter	-26320-05-22 21:21 J	-7891814.88	-7891814.61	-7891814.34	0.0504	0.0003
Uranus	-26320-08-03 08:52 J	-7891742.40	-7891742.13	-7891741.83	0.0132	0.0059
Jupiter	-26291-08-12 21:07 J	-7881140.87	-7881140.62	-7881140.37	0.0525	0.0243
Saturn	-26290-09-08 05:45 J	-7880749.55	-7880749.26	-7880748.96	0.0296	0.0059
Neptune	-26285-03-08 15:21 J	-7879106.10	-7879105.86	-7879105.60	0.0089	0.0057
Jupiter	-26284-02-24 21:21 J	-7878752.79	-7878752.61	-7878752.42	0.0505	0.0368
Neptune	-26283-02-02 04:47 J	-7878410.62	-7878410.30	-7878409.97	0.0089	0.0008
Neptune	-26282-12-29 15:21 J	-7877715.03	-7877714.86	-7877714.64	0.0089	0.0072
Uranus	-26278-12-23 02:52 J	-7876260.39	-7876260.38	-7876260.33	0.0146	0.0145
Uranus	-26276-11-25 06:28 J	-7875557.38	-7875557.23	-7875557.04	0.0146	0.0121
Jupiter	-26255-05-19 18:28 J	-7868076.99	-7868076.73	-7868076.48	0.0522	0.0209
Saturn	-26246-12-21 15:50 J	-7864574.13	-7864573.84	-7864573.56	0.0265	0.0010
Uranus	-26235-03-29 08:09 J	-7860823.47	-7860823.16	-7860822.84	0.0132	0.0015
Pluto	-26221-05-17 04:47 J	-7855660.48	-7855660.30	-7855660.11	0.0065	0.0052
Neptune	-26204-11-29 16:04 J	-7849254.95	-7849254.83	-7849254.67	0.0088	0.0078
Neptune	-26202-10-24 20:52 J	-7848560.91	-7848560.63	-7848560.32	0.0088	0.0022
Jupiter	-26202-11-11 11:31 J	-7848543.25	-7848543.02	-7848542.80	0.0502	0.0275
Saturn	-26201-02-02 10:19 J	-7848460.37	-7848460.07	-7848459.77	0.0295	0.0013
Neptune	-26200-09-18 02:23 J	-7847866.66	-7847866.40	-7847866.10	0.0088	0.0036
Uranus	-26193-08-17 11:31 J	-7845341.29	-7845341.02	-7845340.74	0.0146	0.0054
Jupiter	-26166-08-16 06:28 J	-7835481.50	-7835481.23	-7835480.97	0.0504	0.0074
Saturn	-26157-05-17 05:02 J	-7832284.56	-7832284.29	-7832284.02	0.0265	0.0081
Uranus	-26153-12-20 05:59 J	-7830606.37	-7830606.25	-7830606.10	0.0133	0.0120
Uranus	-26151-11-22 07:55 J	-7829904.40	-7829904.17	-7829903.93	0.0132	0.0090
Jupiter	-26137-11-05 12:43 J	-7824807.24	-7824806.97	-7824806.70	0.0524	0.0147
Jupiter	-26130-05-21 07:40 J	-7822419.31	-7822419.18	-7822419.05	0.0506	0.0443
Neptune	-26120-09-16 04:04 J	-7818648.63	-7818648.33	-7818648.00	0.0089	0.0025
Neptune	-26118-08-12 16:19 J	-7817953.10	-7817952.82	-7817952.52	0.0089	0.0040

Saturn	-26113-06-29 23:02 J	-7816169.80	-7816169.54	-7816169.26	0.0296	0.0133
Uranus	-26108-04-12 23:02 J	-7814421.82	-7814421.54	-7814421.24	0.0146	0.0039
Jupiter	-26101-08-11 22:04 J	-7811743.81	-7811743.58	-7811743.34	0.0523	0.0279
Saturn	-26069-10-11 07:26 J	-7799995.42	-7799995.19	-7799994.93	0.0265	0.0138
Uranus	-26068-08-15 02:38 J	-7799687.69	-7799687.39	-7799687.09	0.0133	0.0047
Jupiter	-26047-02-03 19:11 J	-7792209.94	-7792209.70	-7792209.46	0.0502	0.0210
Neptune	-26038-06-08 23:59 J	-7788797.74	-7788797.50	-7788797.24	0.0088	0.0049
Neptune	-26036-05-03 04:47 J	-7788103.60	-7788103.30	-7788102.99	0.0088	0.0008
Neptune	-26034-03-28 10:47 J	-7787409.24	-7787409.05	-7787408.83	0.0088	0.0066
Uranus	-26025-01-04 08:23 J	-7784205.26	-7784205.15	-7784205.00	0.0146	0.0131
Saturn	-26025-11-24 12:28 J	-7783880.17	-7783879.98	-7783879.76	0.0295	0.0219
Uranus	-26024-12-07 10:47 J	-7783502.14	-7783502.05	-7783501.90	0.0146	0.0134
Jupiter	-26018-04-24 23:16 J	-7781537.56	-7781537.53	-7781537.49	0.0526	0.0522
Jupiter	-26012-11-08 14:23 J	-7779148.16	-7779147.90	-7779147.64	0.0504	0.0142
Saturn	-26010-01-19 09:21 J	-7778711.24	-7778711.11	-7778710.97	0.0265	0.0234

26TH MILLENNIUM BCE

This is a list of transits of Mars in the 26th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-25983-04-10 01:26 J	-7768768.74	-7768768.44	-7768768.12	0.0133	0.0027		
Jupiter	-25982-01-29 15:07 J	-7768474.14	-7768473.87	-7768473.59	0.0525	0.0082		
Saturn	-25980-03-07 16:33 J	-7767705.97	-7767705.81	-7767705.62	0.0265	0.0208		
Pluto	-25975-10-08 21:35 J	-7765664.90	-7765664.60	-7765664.28	0.0066	0.0009		

Neptune -25956-04-30 03:50 J -7758886.56 -7758886.34 -7758886.06 0.0089 0.0057
 Neptune -25954-03-26 18:28 J -7758191.05 -7758190.73 -7758190.40 0.0089 0.0008
 Neptune -25952-02-19 05:59 J -7757495.41 -7757495.25 -7757495.03 0.0089 0.0073
 Jupiter -25947-11-05 18:57 J -7755409.90 -7755409.71 -7755409.52 0.0522 0.0374
 Uranus -25941-08-29 22:33 J -7753285.84 -7753285.56 -7753285.26 0.0146 0.0036
 Jupiter -25929-07-25 21:07 J -7748937.70 -7748937.62 -7748937.53 0.0500 0.0471
 Saturn -25922-06-15 14:38 J -7746422.10 -7746421.89 -7746421.65 0.0264 0.0166
 Uranus -25901-12-31 21:50 J -7738551.76 -7738551.59 -7738551.40 0.0133 0.0109
 Uranus -25899-12-03 23:02 J -7737849.74 -7737849.54 -7737849.32 0.0132 0.0100
 Jupiter -25893-04-29 11:45 J -7735876.27 -7735876.01 -7735875.75 0.0502 0.0132
 Saturn -25892-08-01 01:11 J -7735417.55 -7735417.45 -7735417.32 0.0265 0.0243
 Pluto -25887-02-22 00:28 J -7733751.74 -7733751.48 -7733751.17 0.0079 0.0037
 Saturn -25878-07-24 04:04 J -7730312.36 -7730312.33 -7730312.27 0.0296 0.0292
 Neptune -25874-01-22 06:28 J -7729034.34 -7729034.23 -7729034.05 0.0088 0.0077
 Neptune -25873-12-16 09:50 J -7728340.37 -7728340.09 -7728339.78 0.0088 0.0020
 Neptune -25871-11-10 14:52 J -7727646.13 -7727645.88 -7727645.58 0.0088 0.0039
 Jupiter -25864-07-18 10:19 J -7725204.21 -7725204.07 -7725203.90 0.0527 0.0440
 Jupiter -25857-02-02 13:26 J -7722814.18 -7722813.94 -7722813.70 0.0504 0.0230
 Uranus -25856-04-25 08:38 J -7722366.40 -7722366.14 -7722365.84 0.0146 0.0056
 Saturn -25834-11-08 19:26 J -7714133.93 -7714133.69 -7714133.44 0.0264 0.0137
 Jupiter -25828-04-25 03:21 J -7712139.64 -7712139.36 -7712139.08 0.0524 0.0043
 Uranus -25816-08-26 18:43 J -7707633.02 -7707632.72 -7707632.41 0.0133 0.0037
 Neptune -25793-12-12 04:19 J -7699124.32 -7699124.32 -7699124.28 0.0089 0.0089
 Jupiter -25792-01-29 17:31 J -7699075.87 -7699075.77 -7699075.64 0.0523 0.0473
 Neptune -25791-11-07 20:52 J -7698428.93 -7698428.63 -7698428.30 0.0089 0.0024
 Saturn -25790-12-17 10:33 J -7698024.21 -7698024.06 -7698023.91 0.0296 0.0255
 Neptune -25789-10-03 10:33 J -7697733.34 -7697733.06 -7697732.76 0.0089 0.0042
 Jupiter -25775-10-20 01:11 J -7692603.62 -7692603.45 -7692603.27 0.0500 0.0374
 Uranus -25773-01-16 09:21 J -7692150.27 -7692150.11 -7692149.93 0.0146 0.0119
 Uranus -25772-12-19 15:07 J -7691446.90 -7691446.87 -7691446.81 0.0146 0.0145

Saturn	-25745-04-03 12:43 J	-7681845.24	-7681844.97	-7681844.70	0.0264	0.0087
Jupiter	-25739-07-25 01:55 J	-7679541.69	-7679541.42	-7679541.15	0.0502	0.0018
Uranus	-25731-04-21 12:43 J	-7676714.26	-7676713.97	-7676713.65	0.0132	0.0035
Pluto	-25728-03-01 11:16 J	-7675669.09	-7675669.03	-7675668.88	0.0066	0.0062
Jupiter	-25710-10-13 12:28 J	-7668869.21	-7668868.98	-7668868.74	0.0526	0.0288
Neptune	-25709-07-31 17:31 J	-7668577.00	-7668576.77	-7668576.49	0.0088	0.0047
Neptune	-25707-06-25 20:52 J	-7667882.93	-7667882.63	-7667882.33	0.0088	0.0010
Neptune	-25705-05-20 01:40 J	-7667188.61	-7667188.43	-7667188.23	0.0088	0.0068
Jupiter	-25703-04-29 07:26 J	-7666479.38	-7666479.19	-7666478.99	0.0504	0.0348
Saturn	-25701-05-10 15:35 J	-7665737.01	-7665736.85	-7665736.68	0.0296	0.0246
Uranus	-25689-09-10 13:40 J	-7661231.22	-7661230.93	-7661230.63	0.0146	0.0032
Jupiter	-25674-07-20 08:52 J	-7655805.40	-7655805.13	-7655804.86	0.0524	0.0158
Saturn	-25657-08-27 10:33 J	-7649557.34	-7649557.06	-7649556.78	0.0264	0.0068
Uranus	-25648-01-12 09:35 J	-7646497.28	-7646497.10	-7646496.88	0.0133	0.0102
Uranus	-25647-12-15 07:40 J	-7645795.34	-7645795.18	-7645794.96	0.0132	0.0107
Neptune	-25627-06-21 22:19 J	-7638666.80	-7638666.57	-7638666.28	0.0089	0.0056
Neptune	-25625-05-17 15:07 J	-7637971.19	-7637970.87	-7637970.55	0.0089	0.0011
Neptune	-25623-04-13 04:33 J	-7637275.48	-7637275.31	-7637275.13	0.0089	0.0076
Jupiter	-25620-01-13 20:52 J	-7636268.85	-7636268.63	-7636268.39	0.0501	0.0250
Saturn	-25613-10-03 12:57 J	-7633449.15	-7633448.96	-7633448.76	0.0297	0.0224
Uranus	-25604-05-06 20:09 J	-7630311.94	-7630311.66	-7630311.38	0.0146	0.0056
Jupiter	-25585-10-18 21:35 J	-7623206.86	-7623206.60	-7623206.34	0.0503	0.0105
Saturn	-25568-01-21 01:26 J	-7617268.73	-7617268.44	-7617268.15	0.0264	0.0027
Uranus	-25564-09-07 01:40 J	-7615578.73	-7615578.43	-7615578.12	0.0133	0.0032
Jupiter	-25555-01-06 17:45 J	-7612535.02	-7612534.76	-7612534.49	0.0526	0.0169
Jupiter	-25549-07-23 21:50 J	-7610144.67	-7610144.59	-7610144.48	0.0504	0.0469
Neptune	-25545-03-16 01:26 J	-7608813.57	-7608813.44	-7608813.24	0.0088	0.0074
Neptune	-25543-02-08 05:16 J	-7608119.58	-7608119.28	-7608118.99	0.0088	0.0017
Neptune	-25541-01-03 08:23 J	-7607425.41	-7607425.15	-7607424.87	0.0088	0.0041
Saturn	-25524-02-25 17:31 J	-7601161.95	-7601161.77	-7601161.55	0.0296	0.0221

Uranus	-25521-01-27 21:50 J	-7600095.75	-7600095.59	-7600095.39	0.0146	0.0117
Jupiter	-25520-10-13 23:16 J	-7599470.76	-7599470.53	-7599470.29	0.0523	0.0288
Jupiter	-25502-07-06 15:35 J	-7592995.92	-7592995.85	-7592995.78	0.0499	0.0479
Saturn	-25480-06-16 10:47 J	-7584980.34	-7584980.05	-7584979.76	0.0264	0.0007
Uranus	-25479-05-02 20:09 J	-7584659.96	-7584659.66	-7584659.35	0.0133	0.0040
Jupiter	-25466-04-10 08:23 J	-7579934.41	-7579934.15	-7579933.89	0.0501	0.0139
Neptune	-25463-02-02 23:59 J	-7578904.53	-7578904.50	-7578904.39	0.0089	0.0088
Neptune	-25462-12-30 17:59 J	-7578209.07	-7578208.75	-7578208.43	0.0089	0.0021
Neptune	-25460-11-25 09:07 J	-7577513.38	-7577513.12	-7577512.82	0.0089	0.0045
Jupiter	-25437-06-25 13:26 J	-7569264.99	-7569264.94	-7569264.89	0.0528	0.0518
Uranus	-25437-09-22 11:31 J	-7569176.31	-7569176.02	-7569175.72	0.0146	0.0023
Saturn	-25436-07-22 16:33 J	-7568873.06	-7568872.81	-7568872.56	0.0297	0.0162
Jupiter	-25430-01-13 02:38 J	-7566872.63	-7566872.39	-7566872.15	0.0503	0.0208
Jupiter	-25401-04-02 01:40 J	-7556200.71	-7556200.43	-7556200.14	0.0525	0.0046
Uranus	-25396-01-23 17:02 J	-7554442.98	-7554442.79	-7554442.55	0.0133	0.0097
Uranus	-25395-12-26 15:07 J	-7553741.02	-7553740.87	-7553740.67	0.0133	0.0111
Saturn	-25392-11-10 10:33 J	-7552691.34	-7552691.06	-7552690.77	0.0264	0.0057
Neptune	-25380-09-23 13:55 J	-7548356.18	-7548355.92	-7548355.66	0.0088	0.0044
Neptune	-25378-08-18 17:16 J	-7547662.07	-7547661.78	-7547661.47	0.0088	0.0014
Neptune	-25376-07-12 21:07 J	-7546967.78	-7546967.62	-7546967.44	0.0088	0.0072
Jupiter	-25365-01-07 23:59 J	-7543136.68	-7543136.50	-7543136.31	0.0523	0.0393
Uranus	-25352-05-19 00:43 J	-7538256.73	-7538256.47	-7538256.20	0.0146	0.0069
Jupiter	-25348-09-29 12:57 J	-7536662.11	-7536661.96	-7536661.79	0.0500	0.0391
Saturn	-25348-12-16 07:11 J	-7536584.47	-7536584.20	-7536583.92	0.0296	0.0110
Jupiter	-25312-07-04 00:57 J	-7523600.73	-7523600.46	-7523600.20	0.0501	0.0060
Uranus	-25312-09-18 12:14 J	-7523524.29	-7523523.99	-7523523.67	0.0133	0.0026
Saturn	-25303-04-06 17:59 J	-7520402.00	-7520401.75	-7520401.48	0.0264	0.0122
Neptune	-25298-08-13 20:52 J	-7518446.87	-7518446.63	-7518446.34	0.0089	0.0052
Neptune	-25296-07-09 13:40 J	-7517751.24	-7517750.93	-7517750.60	0.0089	0.0015
Neptune	-25294-06-05 03:50 J	-7517055.44	-7517055.34	-7517055.16	0.0089	0.0081

Jupiter	-25283-09-19 11:16 J	-7512931.20	-7512931.03	-7512930.84	0.0527	0.0411
Jupiter	-25276-04-07 17:45 J	-7510538.97	-7510538.76	-7510538.53	0.0504	0.0288
Uranus	-25269-02-09 00:43 J	-7508040.67	-7508040.47	-7508040.24	0.0146	0.0104
Saturn	-25259-05-13 14:09 J	-7504294.21	-7504293.91	-7504293.61	0.0296	0.0001
Jupiter	-25247-06-26 09:21 J	-7499867.39	-7499867.11	-7499866.82	0.0525	0.0033
Saturn	-25245-07-14 20:09 J	-7499117.75	-7499117.66	-7499117.56	0.0264	0.0249
Pluto	-25237-01-23 16:04 J	-7496369.02	-7496368.83	-7496368.58	0.0065	0.0047
Uranus	-25227-05-14 05:16 J	-7492605.57	-7492605.28	-7492604.97	0.0132	0.0045
Neptune	-25216-05-09 00:14 J	-7488592.66	-7488592.49	-7488592.31	0.0088	0.0070
Saturn	-25215-09-01 00:14 J	-7488112.69	-7488112.49	-7488112.27	0.0265	0.0184
Neptune	-25214-04-03 00:43 J	-7487898.76	-7487898.47	-7487898.16	0.0088	0.0013
Neptune	-25212-02-25 04:04 J	-7487204.58	-7487204.33	-7487204.06	0.0088	0.0046
Jupiter	-25211-04-02 10:33 J	-7486803.17	-7486803.06	-7486802.94	0.0522	0.0474
Jupiter	-25194-12-23 21:07 J	-7480328.82	-7480328.62	-7480328.42	0.0500	0.0330
Uranus	-25185-10-04 06:57 J	-7477121.51	-7477121.21	-7477120.91	0.0146	0.0017
Saturn	-25171-10-08 07:40 J	-7472004.46	-7472004.18	-7472003.89	0.0296	0.0092
Jupiter	-25158-09-27 06:57 J	-7467267.48	-7467267.21	-7467266.95	0.0502	0.0008
Saturn	-25157-12-09 00:57 J	-7466828.65	-7466828.46	-7466828.24	0.0265	0.0189
Pluto	-25150-06-07 17:31 J	-7464456.93	-7464456.77	-7464456.53	0.0079	0.0063
Uranus	-25144-02-04 04:04 J	-7462388.53	-7462388.33	-7462388.08	0.0133	0.0091
Uranus	-25142-01-06 23:31 J	-7461686.65	-7461686.52	-7461686.34	0.0132	0.0115
Neptune	-25134-03-27 21:07 J	-7458684.69	-7458684.62	-7458684.47	0.0089	0.0085
Neptune	-25132-02-20 16:47 J	-7457989.11	-7457988.80	-7457988.46	0.0089	0.0018
Neptune	-25130-01-17 09:21 J	-7457293.36	-7457293.11	-7457292.82	0.0089	0.0050
Jupiter	-25129-12-12 09:21 J	-7456598.31	-7456598.11	-7456597.89	0.0527	0.0352
Saturn	-25126-01-26 16:19 J	-7455822.82	-7455822.82	-7455822.79	0.0264	0.0264
Jupiter	-25122-07-01 22:04 J	-7454205.77	-7454205.58	-7454205.38	0.0503	0.0343
Uranus	-25100-05-30 10:04 J	-7446202.32	-7446202.08	-7446201.79	0.0146	0.0070
Jupiter	-25093-09-18 23:31 J	-7443533.79	-7443533.52	-7443533.24	0.0525	0.0118
Saturn	-25082-03-05 10:47 J	-7439714.26	-7439714.05	-7439713.83	0.0297	0.0205

Saturn	-25068-05-05 15:50 J	-7434539.10	-7434538.84	-7434538.57	0.0264	0.0108
Uranus	-25060-09-29 19:40 J	-7431469.98	-7431469.68	-7431469.36	0.0133	0.0022
Neptune	-25051-11-16 11:45 J	-7428135.26	-7428135.01	-7428134.72	0.0088	0.0040
Neptune	-25049-10-10 13:26 J	-7427441.23	-7427440.94	-7427440.64	0.0088	0.0018
Neptune	-25047-09-04 16:04 J	-7426746.95	-7426746.83	-7426746.66	0.0088	0.0077
Jupiter	-25039-03-18 05:02 J	-7423995.51	-7423995.29	-7423995.06	0.0500	0.0269
Uranus	-25017-02-20 05:59 J	-7415986.45	-7415986.25	-7415986.04	0.0146	0.0106
Jupiter	-25004-12-20 21:21 J	-7410933.87	-7410933.61	-7410933.34	0.0501	0.0072

25TH MILLENNIUM BCE

This is a list of transits of Mars in the 25th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Saturn	-24994-07-30 14:52 J	-7407424.97	-7407424.88	-7407424.76	0.0297	0.0278		
Pluto	-24991-06-16 13:55 J	-7406373.18	-7406372.92	-7406372.61	0.0066	0.0028		
Saturn	-24980-09-29 05:02 J	-7402250.57	-7402250.29	-7402250.01	0.0264	0.0066		
Uranus	-24975-05-25 12:14 J	-7400551.27	-7400550.99	-7400550.68	0.0133	0.0049		
Jupiter	-24974-03-08 12:28 J	-7400264.23	-7400263.98	-7400263.72	0.0527	0.0242		
Neptune	-24969-10-04 18:43 J	-7398227.00	-7398226.72	-7398226.44	0.0089	0.0049		
Jupiter	-24968-09-24 18:43 J	-7397871.86	-7397871.72	-7397871.57	0.0504	0.0420		
Neptune	-24967-08-31 12:14 J	-7397531.30	-7397530.99	-7397530.65	0.0089	0.0019		
Neptune	-24965-07-27 04:33 J	-7396835.40	-7396835.31	-7396835.19	0.0089	0.0085		
Jupiter	-24939-12-13 12:57 J	-7387200.21	-7387199.96	-7387199.69	0.0525	0.0203		
Uranus	-24933-10-15 16:33 J	-7385067.11	-7385066.81	-7385066.51	0.0146	0.0015		

Pluto	-24904-10-30 10:04 J	-7374460.08	-7374460.08	-7374460.02	0.0079	0.0079
Uranus	-24892-02-15 11:59 J	-7370334.23	-7370334.00	-7370333.76	0.0133	0.0086
Saturn	-24891-02-23 02:09 J	-7369961.70	-7369961.41	-7369961.12	0.0264	0.0010
Uranus	-24890-01-18 05:59 J	-7369632.36	-7369632.25	-7369632.08	0.0133	0.0119
Neptune	-24887-07-01 21:07 J	-7368371.80	-7368371.62	-7368371.42	0.0088	0.0067
Neptune	-24885-05-25 22:33 J	-7367677.86	-7367677.56	-7367677.26	0.0088	0.0010
Jupiter	-24885-06-11 11:31 J	-7367661.27	-7367661.02	-7367660.77	0.0500	0.0171
Neptune	-24883-04-19 23:59 J	-7366983.73	-7366983.50	-7366983.23	0.0088	0.0049
Jupiter	-24849-03-16 06:28 J	-7354599.48	-7354599.23	-7354598.98	0.0502	0.0172
Uranus	-24848-06-11 06:14 J	-7354147.48	-7354147.24	-7354146.97	0.0146	0.0077
Jupiter	-24820-06-01 11:59 J	-7343930.27	-7343930.00	-7343929.72	0.0527	0.0136
Uranus	-24808-10-11 06:43 J	-7339415.53	-7339415.22	-7339414.90	0.0133	0.0016
Neptune	-24805-05-18 18:28 J	-7338464.84	-7338464.73	-7338464.57	0.0089	0.0082
Neptune	-24803-04-14 14:09 J	-7337769.23	-7337768.91	-7337768.58	0.0089	0.0014
Saturn	-24803-07-18 23:02 J	-7337673.83	-7337673.54	-7337673.25	0.0264	0.0011
Neptune	-24801-03-10 07:26 J	-7337073.43	-7337073.19	-7337072.91	0.0089	0.0054
Jupiter	-24784-03-08 23:45 J	-7330865.73	-7330865.51	-7330865.29	0.0524	0.0322
Jupiter	-24767-12-02 12:43 J	-7324388.13	-7324387.97	-7324387.81	0.0499	0.0391
Uranus	-24765-03-03 06:43 J	-7323931.44	-7323931.22	-7323930.98	0.0146	0.0094
Saturn	-24759-08-19 18:57 J	-7321570.79	-7321570.71	-7321570.61	0.0297	0.0283
Jupiter	-24731-09-06 04:47 J	-7311326.56	-7311326.30	-7311326.03	0.0500	0.0057
Uranus	-24723-06-05 23:31 J	-7308496.79	-7308496.52	-7308496.22	0.0133	0.0055
Neptune	-24721-01-09 07:11 J	-7307914.46	-7307914.20	-7307913.91	0.0088	0.0037
Neptune	-24720-12-03 09:07 J	-7307220.41	-7307220.12	-7307219.82	0.0088	0.0021
Neptune	-24718-10-28 11:31 J	-7306526.12	-7306526.02	-7306525.88	0.0088	0.0080
Saturn	-24715-12-12 10:04 J	-7305385.37	-7305385.08	-7305384.79	0.0263	0.0048
Jupiter	-24702-11-19 11:02 J	-7300660.16	-7300660.04	-7300659.91	0.0528	0.0473
Jupiter	-24695-06-10 22:47 J	-7298264.76	-7298264.55	-7298264.33	0.0502	0.0290
Uranus	-24681-10-27 17:31 J	-7293012.07	-7293011.77	-7293011.46	0.0146	0.0004
Saturn	-24670-01-11 17:02 J	-7289283.83	-7289283.79	-7289283.72	0.0297	0.0291

Jupiter -24666-08-27 07:26 J -7287595.48 -7287595.19 -7287594.91 0.0526 0.0007
 Uranus -24640-02-27 02:38 J -7278279.62 -7278279.39 -7278279.12 0.0133 0.0079
 Neptune -24640-11-26 13:40 J -7278007.19 -7278006.93 -7278006.63 0.0089 0.0047
 Uranus -24638-01-29 17:31 J -7277577.85 -7277577.77 -7277577.64 0.0132 0.0125
 Neptune -24638-10-23 08:52 J -7277311.44 -7277311.13 -7277310.80 0.0089 0.0021
 Neptune -24636-09-18 00:57 J -7276615.47 -7276615.46 -7276615.38 0.0089 0.0089
 Jupiter -24630-06-03 21:35 J -7274530.73 -7274530.60 -7274530.47 0.0524 0.0461
 Saturn -24626-05-07 12:14 J -7273097.26 -7273096.99 -7273096.70 0.0263 0.0074
 Jupiter -24612-02-26 04:04 J -7268053.54 -7268053.33 -7268053.10 0.0499 0.0278
 Uranus -24596-06-22 23:02 J -7262092.77 -7262092.54 -7262092.28 0.0146 0.0083
 Saturn -24582-06-06 23:16 J -7256995.66 -7256995.53 -7256995.37 0.0297 0.0257
 Jupiter -24577-11-30 17:31 J -7254992.03 -7254991.77 -7254991.50 0.0501 0.0056
 Neptune -24558-08-24 17:31 J -7248150.95 -7248150.77 -7248150.55 0.0088 0.0065
 Neptune -24556-07-18 17:02 J -7247457.08 -7247456.79 -7247456.48 0.0088 0.0007
 Uranus -24556-10-22 19:11 J -7247361.01 -7247360.70 -7247360.38 0.0133 0.0009
 Neptune -24554-06-12 17:59 J -7246762.97 -7246762.75 -7246762.48 0.0088 0.0052
 Jupiter -24547-02-13 05:31 J -7244325.49 -7244325.27 -7244325.05 0.0527 0.0332
 Jupiter -24541-09-04 14:23 J -7241930.06 -7241929.90 -7241929.74 0.0503 0.0405
 Saturn -24538-10-01 05:16 J -7240808.53 -7240808.28 -7240808.01 0.0264 0.0118
 Uranus -24513-03-14 13:11 J -7231877.17 -7231876.95 -7231876.71 0.0146 0.0094
 Jupiter -24512-11-20 18:43 J -7231261.00 -7231260.72 -7231260.44 0.0526 0.0128
 Saturn -24494-10-30 23:02 J -7224707.71 -7224707.54 -7224707.34 0.0296 0.0228
 Neptune -24476-07-10 10:33 J -7218245.17 -7218245.06 -7218244.87 0.0089 0.0080
 Neptune -24474-06-06 08:09 J -7217549.48 -7217549.16 -7217548.82 0.0089 0.0012
 Neptune -24472-05-02 02:38 J -7216853.63 -7216853.39 -7216853.12 0.0089 0.0057
 Uranus -24471-06-17 11:59 J -7216442.26 -7216442.00 -7216441.71 0.0132 0.0062
 Jupiter -24458-05-23 05:16 J -7211719.52 -7211719.28 -7211719.03 0.0499 0.0189
 Saturn -24449-02-25 05:02 J -7208519.51 -7208519.29 -7208519.07 0.0264 0.0173
 Uranus -24429-11-07 22:19 J -7200957.87 -7200957.57 -7200957.26 0.0146 0.0005
 Jupiter -24422-02-24 16:33 J -7198658.07 -7198657.81 -7198657.56 0.0502 0.0143

Saturn -24405-03-26 17:31 J -7192418.03 -7192417.77 -7192417.51 0.0297 0.0136
 Jupiter -24393-05-08 21:35 J -7187991.85 -7187991.60 -7187991.34 0.0528 0.0240
 Neptune -24392-03-03 01:40 J -7187693.69 -7187693.43 -7187693.14 0.0088 0.0036
 Saturn -24391-06-03 20:38 J -7187235.80 -7187235.64 -7187235.45 0.0264 0.0212
 Neptune -24390-01-26 01:11 J -7186999.73 -7186999.45 -7186999.15 0.0088 0.0023
 Neptune -24389-12-20 02:38 J -7186305.48 -7186305.39 -7186305.27 0.0088 0.0083
 Uranus -24388-03-10 16:04 J -7186225.07 -7186224.83 -7186224.54 0.0133 0.0071
 Jupiter -24387-11-29 03:35 J -7185596.42 -7185596.35 -7185596.25 0.0503 0.0475
 Uranus -24386-02-10 06:28 J -7185523.24 -7185523.23 -7185523.17 0.0132 0.0132
 Saturn -24361-07-21 08:38 J -7176230.27 -7176230.14 -7176230.00 0.0264 0.0233
 Jupiter -24357-02-14 11:16 J -7174927.29 -7174927.03 -7174926.77 0.0525 0.0220
 Uranus -24344-07-04 13:11 J -7170038.18 -7170037.95 -7170037.70 0.0146 0.0088
 Jupiter -24340-11-11 11:16 J -7168447.15 -7168447.03 -7168446.91 0.0498 0.0441
 Saturn -24317-08-21 06:28 J -7160128.52 -7160128.23 -7160127.94 0.0296 0.0052
 Neptune -24310-01-18 04:04 J -7157787.60 -7157787.33 -7157787.03 0.0089 0.0046
 Neptune -24309-12-14 00:28 J -7157091.78 -7157091.48 -7157091.14 0.0089 0.0024
 Jupiter -24304-08-15 14:09 J -7155386.17 -7155385.91 -7155385.66 0.0500 0.0128
 Uranus -24304-11-03 12:28 J -7155306.30 -7155305.98 -7155305.67 0.0133 0.0002
 Saturn -24303-10-29 01:40 J -7154946.67 -7154946.43 -7154946.18 0.0265 0.0150
 Jupiter -24268-05-19 21:21 J -7142324.85 -7142324.61 -7142324.36 0.0501 0.0197
 Uranus -24261-03-26 13:40 J -7139822.16 -7139821.93 -7139821.65 0.0146 0.0082
 Pluto -24254-10-01 16:47 J -7137077.11 -7137076.80 -7137076.48 0.0066 0.0002
 Jupiter -24239-08-02 09:35 J -7131658.37 -7131658.10 -7131657.82 0.0527 0.0157
 Neptune -24229-10-16 09:21 J -7127930.29 -7127930.11 -7127929.89 0.0088 0.0065
 Saturn -24228-01-16 16:33 J -7127838.09 -7127837.81 -7127837.52 0.0297 0.0071
 Neptune -24227-09-10 09:35 J -7127236.39 -7127236.10 -7127235.79 0.0088 0.0006
 Neptune -24225-08-04 09:07 J -7126542.34 -7126542.12 -7126541.86 0.0088 0.0053
 Uranus -24221-07-27 21:07 J -7125088.68 -7125088.62 -7125088.52 0.0133 0.0128
 Uranus -24219-06-29 08:38 J -7124387.38 -7124387.14 -7124386.85 0.0132 0.0073
 Saturn -24214-03-25 19:40 J -7122656.96 -7122656.68 -7122656.39 0.0264 0.0064

Jupiter	-24203-05-09 13:55 J	-7118594.15	-7118593.92	-7118593.68	0.0526	0.0285
Jupiter	-24185-02-04 14:23 J	-7112114.06	-7112113.90	-7112113.73	0.0498	0.0391
Uranus	-24177-11-20 07:40 J	-7108902.48	-7108902.18	-7108901.87	0.0146	0.0013
Pluto	-24166-02-14 04:04 J	-7105164.61	-7105164.33	-7105164.04	0.0079	0.0036
Jupiter	-24150-11-08 22:19 J	-7099052.83	-7099052.57	-7099052.30	0.0500	0.0071
Neptune	-24147-08-31 21:50 J	-7098025.69	-7098025.59	-7098025.40	0.0089	0.0081
Neptune	-24145-07-27 19:55 J	-7097329.99	-7097329.67	-7097329.33	0.0089	0.0011
Neptune	-24143-06-23 15:50 J	-7096634.08	-7096633.84	-7096633.57	0.0089	0.0058
Saturn	-24140-06-13 08:52 J	-7095548.36	-7095548.13	-7095547.87	0.0297	0.0162
Uranus	-24136-03-22 18:28 J	-7094170.00	-7094169.73	-7094169.43	0.0133	0.0057
Saturn	-24126-08-19 18:43 J	-7090368.02	-7090367.72	-7090367.43	0.0264	0.0008
Jupiter	-24114-08-13 09:07 J	-7085991.35	-7085991.12	-7085990.89	0.0502	0.0256
Uranus	-24092-07-16 21:35 J	-7077982.81	-7077982.60	-7077982.39	0.0146	0.0104
Jupiter	-24085-10-25 13:26 J	-7075325.22	-7075324.94	-7075324.65	0.0527	0.0089
Neptune	-24063-04-25 14:23 J	-7067473.17	-7067472.90	-7067472.62	0.0088	0.0036
Neptune	-24061-03-19 14:38 J	-7066779.18	-7066778.89	-7066778.60	0.0088	0.0023
Neptune	-24059-02-11 14:09 J	-7066084.97	-7066084.91	-7066084.77	0.0088	0.0083
Saturn	-24052-11-07 11:59 J	-7063259.16	-7063259.00	-7063258.82	0.0297	0.0239
Uranus	-24052-11-15 15:21 J	-7063251.17	-7063250.86	-7063250.55	0.0132	0.0015
Jupiter	-24049-08-01 23:02 J	-7062260.73	-7062260.54	-7062260.32	0.0525	0.0359
Saturn	-24037-01-14 02:09 J	-7058078.69	-7058078.41	-7058078.12	0.0264	0.0064
Jupiter	-24031-04-30 11:45 J	-7055780.21	-7055780.01	-7055779.80	0.0498	0.0312
Uranus	-24009-04-07 11:02 J	-7047767.31	-7047767.04	-7047766.77	0.0146	0.0071

24TH MILLENNIUM BCE

This is a list of transits of Mars in the 24th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-23995-02-01	21:35 J	-7042718.87	-7042718.60	-7042718.34	0.0500	0.0010	
Neptune	-23981-03-10	12:57 J	-7037568.23	-7037567.96	-7037567.66	0.0089	0.0046	
Neptune	-23979-02-04	10:19 J	-7036872.37	-7036872.07	-7036871.73	0.0089	0.0024	
Uranus	-23969-08-09	03:35 J	-7033033.49	-7033033.35	-7033033.16	0.0133	0.0112	
Uranus	-23967-07-11	12:28 J	-7032332.22	-7032331.98	-7032331.75	0.0132	0.0087	
Jupiter	-23966-04-13	17:59 J	-7032055.89	-7032055.75	-7032055.60	0.0529	0.0452	
Saturn	-23963-04-02	23:31 J	-7030970.58	-7030970.52	-7030970.42	0.0297	0.0286	
Jupiter	-23960-11-06	11:31 J	-7029657.20	-7029657.02	-7029656.82	0.0501	0.0347	
Saturn	-23949-06-08	07:40 J	-7025790.44	-7025790.18	-7025789.89	0.0264	0.0097	
Jupiter	-23930-01-19	17:02 J	-7018991.08	-7018990.79	-7018990.51	0.0527	0.0021	
Uranus	-23925-12-01	21:50 J	-7016847.89	-7016847.59	-7016847.28	0.0146	0.0018	
Neptune	-23900-12-08	20:52 J	-7007709.79	-7007709.63	-7007709.40	0.0088	0.0066	
Neptune	-23898-11-02	19:26 J	-7007015.98	-7007015.69	-7007015.39	0.0088	0.0007	
Neptune	-23896-09-26	18:43 J	-7006321.93	-7006321.72	-7006321.45	0.0088	0.0053	
Jupiter	-23895-10-27	17:02 J	-7005925.88	-7005925.79	-7005925.67	0.0525	0.0486	
Uranus	-23884-04-03	23:16 J	-7002114.82	-7002114.53	-7002114.23	0.0133	0.0041	
Jupiter	-23877-07-24	23:59 J	-6999445.74	-6999445.50	-6999445.26	0.0499	0.0210	
Saturn	-23875-08-26	06:57 J	-6998683.25	-6998683.21	-6998683.14	0.0297	0.0292	
Saturn	-23861-11-01	21:07 J	-6993501.87	-6993501.62	-6993501.37	0.0263	0.0139	
Jupiter	-23841-04-28	11:45 J	-6986384.26	-6986384.01	-6986383.75	0.0500	0.0120	
Uranus	-23840-07-28	11:02 J	-6985928.22	-6985928.04	-6985927.81	0.0146	0.0110	
Neptune	-23818-10-23	02:23 J	-6977806.49	-6977806.40	-6977806.24	0.0089	0.0083	
Neptune	-23816-09-18	02:09 J	-6977110.74	-6977110.41	-6977110.08	0.0089	0.0013	
Neptune	-23814-08-14	22:47 J	-6976414.79	-6976414.55	-6976414.28	0.0089	0.0057	
Jupiter	-23812-07-08	13:26 J	-6975721.17	-6975720.94	-6975720.70	0.0528	0.0312	
Jupiter	-23805-02-01	09:21 J	-6973322.20	-6973322.11	-6973322.01	0.0502	0.0466	

Uranus	-23800-11-27 22:19 J	-6971195.86	-6971195.57	-6971195.26	0.0133	0.0032
Jupiter	-23776-04-15 18:28 J	-6962656.01	-6962655.73	-6962655.46	0.0527	0.0165
Saturn	-23772-03-27 17:31 J	-6961213.99	-6961213.77	-6961213.52	0.0263	0.0159
Jupiter	-23758-01-15 08:09 J	-6956172.29	-6956172.16	-6956172.01	0.0498	0.0417
Uranus	-23757-04-19 12:28 J	-6955712.26	-6955711.98	-6955711.70	0.0146	0.0059
Neptune	-23734-06-17 23:16 J	-6947252.78	-6947252.53	-6947252.24	0.0088	0.0038
Neptune	-23732-05-11 21:35 J	-6946558.88	-6946558.60	-6946558.30	0.0088	0.0021
Neptune	-23730-04-05 20:23 J	-6945864.73	-6945864.65	-6945864.50	0.0088	0.0082
Jupiter	-23723-10-19 17:31 J	-6943111.02	-6943110.77	-6943110.51	0.0499	0.0097
Uranus	-23717-08-21 13:55 J	-6940978.12	-6940977.92	-6940977.68	0.0133	0.0094
Uranus	-23715-07-23 21:21 J	-6940276.77	-6940276.61	-6940276.39	0.0132	0.0105
Saturn	-23714-07-04 08:09 J	-6939931.18	-6939931.16	-6939931.10	0.0264	0.0262
Saturn	-23698-06-12 23:02 J	-6934108.55	-6934108.54	-6934108.51	0.0297	0.0296
Jupiter	-23687-07-24 08:52 J	-6930049.36	-6930049.13	-6930048.90	0.0501	0.0239
Saturn	-23684-08-21 00:57 J	-6928925.66	-6928925.46	-6928925.25	0.0264	0.0190
Uranus	-23673-12-14 11:16 J	-6924792.32	-6924792.03	-6924791.73	0.0146	0.0039
Jupiter	-23658-10-03 11:59 J	-6919386.28	-6919386.00	-6919385.73	0.0528	0.0173
Neptune	-23652-05-01 14:23 J	-6917349.15	-6917348.90	-6917348.59	0.0089	0.0050
Neptune	-23650-03-28 13:11 J	-6916653.25	-6916652.95	-6916652.61	0.0089	0.0021
Uranus	-23632-04-16 15:07 J	-6910059.17	-6910058.87	-6910058.55	0.0133	0.0021
Saturn	-23626-11-27 17:45 J	-6907642.90	-6907642.76	-6907642.60	0.0265	0.0228
Jupiter	-23622-07-11 06:14 J	-6906321.47	-6906321.24	-6906321.00	0.0526	0.0290
Jupiter	-23604-04-10 18:43 J	-6899837.91	-6899837.72	-6899837.51	0.0498	0.0318
Saturn	-23595-01-14 11:31 J	-6896637.15	-6896637.02	-6896636.86	0.0264	0.0230
Uranus	-23590-09-06 09:07 J	-6894576.26	-6894576.12	-6894575.98	0.0146	0.0129
Uranus	-23588-08-10 10:33 J	-6893872.15	-6893872.06	-6893871.93	0.0146	0.0136
Neptune	-23570-01-31 01:40 J	-6887489.59	-6887489.43	-6887489.23	0.0088	0.0069
Neptune	-23569-12-25 00:14 J	-6886795.78	-6886795.49	-6886795.19	0.0088	0.0010
Jupiter	-23568-01-13 02:23 J	-6886776.66	-6886776.40	-6886776.14	0.0500	0.0002
Neptune	-23567-11-18 22:47 J	-6886101.79	-6886101.55	-6886101.29	0.0088	0.0049

Saturn	-23551-02-08 19:11 J	-6880540.82	-6880540.70	-6880540.57	0.0296	0.0266
Uranus	-23548-12-10 15:21 J	-6879140.13	-6879139.86	-6879139.56	0.0132	0.0054
Saturn	-23537-04-22 13:40 J	-6875354.14	-6875353.93	-6875353.70	0.0265	0.0175
Jupiter	-23533-10-17 09:07 J	-6873715.32	-6873715.12	-6873714.92	0.0501	0.0321
Pluto	-23516-01-15 21:21 J	-6867780.90	-6867780.61	-6867780.31	0.0066	0.0025
Uranus	-23505-05-02 03:21 J	-6863656.66	-6863656.36	-6863656.06	0.0146	0.0037
Jupiter	-23504-12-27 16:04 J	-6863052.12	-6863051.83	-6863051.54	0.0527	0.0061
Neptune	-23489-12-13 00:43 J	-6857587.52	-6857587.47	-6857587.36	0.0089	0.0087
Neptune	-23487-11-09 00:43 J	-6856891.79	-6856891.47	-6856891.13	0.0089	0.0016
Neptune	-23485-10-04 22:47 J	-6856195.81	-6856195.55	-6856195.28	0.0089	0.0054
Jupiter	-23468-10-04 08:52 J	-6849987.31	-6849987.13	-6849986.93	0.0526	0.0392
Uranus	-23465-09-03 11:02 J	-6848922.29	-6848922.04	-6848921.77	0.0133	0.0070
Saturn	-23463-07-05 17:16 J	-6848251.97	-6848251.78	-6848251.55	0.0296	0.0205
Uranus	-23463-08-05 15:35 J	-6848220.90	-6848220.85	-6848220.73	0.0132	0.0128
Jupiter	-23450-07-05 11:31 J	-6843504.25	-6843504.02	-6843503.79	0.0499	0.0249
Saturn	-23449-09-16 14:52 J	-6843065.14	-6843064.88	-6843064.61	0.0265	0.0117
Pluto	-23429-05-31 05:02 J	-6835868.59	-6835868.29	-6835867.96	0.0079	0.0010
Uranus	-23421-12-26 18:57 J	-6832736.97	-6832736.71	-6832736.41	0.0146	0.0057
Jupiter	-23414-04-08 13:26 J	-6830443.20	-6830442.94	-6830442.68	0.0500	0.0062
Neptune	-23405-08-09 01:26 J	-6827032.68	-6827032.44	-6827032.16	0.0088	0.0042
Neptune	-23403-07-03 23:31 J	-6826338.81	-6826338.52	-6826338.22	0.0088	0.0017
Neptune	-23401-05-27 21:50 J	-6825644.70	-6825644.59	-6825644.42	0.0088	0.0077
Jupiter	-23385-06-14 06:43 J	-6819783.36	-6819783.22	-6819783.06	0.0528	0.0446
Uranus	-23380-04-29 10:04 J	-6818003.39	-6818003.08	-6818002.77	0.0132	0.0003
Jupiter	-23378-01-10 20:38 J	-6817381.80	-6817381.64	-6817381.46	0.0501	0.0380
Saturn	-23375-12-01 00:57 J	-6815961.73	-6815961.46	-6815961.18	0.0296	0.0087
Saturn	-23360-02-11 09:35 J	-6810775.39	-6810775.10	-6810774.80	0.0265	0.0029
Jupiter	-23349-03-21 22:47 J	-6806718.84	-6806718.55	-6806718.26	0.0527	0.0011
Uranus	-23338-09-18 04:47 J	-6802521.47	-6802521.30	-6802521.11	0.0146	0.0119
Uranus	-23336-08-22 08:23 J	-6801817.16	-6801817.15	-6801817.10	0.0146	0.0146

Neptune -23323-06-22 09:50 J -6797130.35 -6797130.09 -6797129.82 0.0089 0.0054
 Neptune -23321-05-18 08:52 J -6796434.44 -6796434.13 -6796433.79 0.0089 0.0017
 Neptune -23319-04-14 06:14 J -6795738.30 -6795738.24 -6795738.14 0.0089 0.0087
 Jupiter -23314-12-28 06:43 J -6793654.37 -6793654.22 -6793654.06 0.0525 0.0443
 Uranus -23297-01-22 06:28 J -6787785.34 -6787785.23 -6787785.08 0.0133 0.0120
 Jupiter -23296-09-27 17:59 J -6787170.99 -6787170.75 -6787170.51 0.0498 0.0197
 Uranus -23296-12-23 10:19 J -6787084.30 -6787084.07 -6787083.79 0.0132 0.0077
 Saturn -23286-04-27 23:45 J -6783671.80 -6783671.51 -6783671.22 0.0296 0.0013
 Saturn -23272-07-08 15:50 J -6778486.14 -6778485.84 -6778485.55 0.0265 0.0039
 Pluto -23270-06-09 15:07 J -6777785.11 -6777784.87 -6777784.62 0.0066 0.0041
 Jupiter -23260-07-01 20:23 J -6774109.91 -6774109.65 -6774109.40 0.0500 0.0110
 Uranus -23253-05-14 05:31 J -6771601.56 -6771601.27 -6771600.95 0.0146 0.0023
 Neptune -23241-03-24 02:38 J -6767269.51 -6767269.39 -6767269.20 0.0088 0.0075
 Neptune -23239-02-15 23:02 J -6766575.83 -6766575.54 -6766575.25 0.0088 0.0015
 Neptune -23237-01-10 20:38 J -6765881.88 -6765881.64 -6765881.37 0.0088 0.0044
 Jupiter -23231-09-07 04:19 J -6763450.52 -6763450.32 -6763450.12 0.0529 0.0388
 Jupiter -23224-04-05 02:09 J -6761048.53 -6761048.41 -6761048.27 0.0501 0.0434
 Uranus -23213-09-16 06:28 J -6756866.51 -6756866.23 -6756865.93 0.0133 0.0047
 Saturn -23198-09-22 20:09 J -6751381.91 -6751381.66 -6751381.38 0.0296 0.0118
 Jupiter -23195-06-14 22:33 J -6750385.85 -6750385.56 -6750385.28 0.0527 0.0069
 Saturn -23184-12-03 07:11 J -6746196.46 -6746196.20 -6746195.94 0.0264 0.0123
 Jupiter -23177-03-19 05:16 J -6743898.39 -6743898.28 -6743898.15 0.0497 0.0440
 Uranus -23168-01-08 06:43 J -6740681.47 -6740681.22 -6740680.94 0.0146 0.0074
 Neptune -23158-12-30 16:33 J -6736673.13 -6736672.81 -6736672.49 0.0089 0.0022
 Neptune -23156-11-25 15:21 J -6735977.11 -6735976.86 -6735976.55 0.0089 0.0050
 Jupiter -23142-12-22 07:11 J -6730837.45 -6730837.20 -6730836.95 0.0499 0.0137
 Uranus -23128-05-12 08:38 J -6725947.43 -6725947.14 -6725946.82 0.0133 0.0028
 Saturn -23109-02-17 00:14 J -6719092.71 -6719092.49 -6719092.26 0.0297 0.0187
 Jupiter -23106-09-25 13:11 J -6717776.19 -6717775.95 -6717775.70 0.0500 0.0183
 Saturn -23095-04-28 21:21 J -6713907.83 -6713907.61 -6713907.37 0.0264 0.0169

Uranus	-23086-10-01 07:11 J	-6710465.42	-6710465.20	-6710464.93	0.0146	0.0090
Jupiter	-23077-11-30 19:40 J	-6707116.92	-6707116.68	-6707116.44	0.0529	0.0298
Neptune	-23076-10-01 01:11 J	-6706812.68	-6706812.45	-6706812.18	0.0088	0.0048
Neptune	-23074-08-25 21:07 J	-6706118.90	-6706118.62	-6706118.31	0.0088	0.0012
Neptune	-23072-07-19 18:00 J	-6705424.89	-6705424.75	-6705424.54	0.0088	0.0072
Uranus	-23045-02-04 08:38 J	-6695729.34	-6695729.14	-6695728.90	0.0133	0.0094
Uranus	-23043-01-05 12:00 J	-6695028.18	-6695028.00	-6695027.79	0.0132	0.0102
Jupiter	-23041-09-08 05:31 J	-6694051.54	-6694051.27	-6694051.00	0.0527	0.0181
Saturn	-23037-08-04 09:50 J	-6692625.16	-6692625.09	-6692624.99	0.0265	0.0254
Jupiter	-23023-06-13 07:40 J	-6687564.35	-6687564.18	-6687563.99	0.0497	0.0357
Saturn	-23021-07-11 22:48 J	-6686804.73	-6686804.55	-6686804.34	0.0297	0.0217
Saturn	-23007-09-22 16:19 J	-6681618.98	-6681618.82	-6681618.66	0.0264	0.0220
Uranus	-23001-05-27 07:40 J	-6679545.49	-6679545.18	-6679544.87	0.0146	0.0006

23RD MILLENNIUM BCE

This is a list of transits of Mars in the 23rd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-22994-08-12 19:26 J	-6676911.90	-6676911.69	-6676911.41	0.0089	0.0062		
Neptune	-22992-07-08 21:21 J	-6676215.93	-6676215.61	-6676215.27	0.0089	0.0011		
Neptune	-22990-06-04 20:09 J	-6675519.76	-6675519.66	-6675519.49	0.0089	0.0082		
Jupiter	-22987-03-17 13:40 J	-6674503.19	-6674502.93	-6674502.67	0.0498	0.0042		
Uranus	-22961-09-29 10:04 J	-6664810.37	-6664810.08	-6664809.76	0.0133	0.0021		
Jupiter	-22952-12-20 03:36 J	-6661441.56	-6661441.35	-6661441.13	0.0500	0.0288		

Saturn	-22949-12-28 23:16 J	-6660336.69	-6660336.53	-6660336.33	0.0265	0.0211
Saturn	-22933-12-04 20:38 J	-6654516.80	-6654516.64	-6654516.46	0.0297	0.0238
Jupiter	-22922-02-25 16:33 J	-6650782.09	-6650781.81	-6650781.54	0.0529	0.0161
Saturn	-22918-02-15 15:07 J	-6649330.96	-6649330.87	-6649330.75	0.0264	0.0245
Uranus	-22916-01-21 05:02 J	-6648625.49	-6648625.29	-6648625.05	0.0146	0.0101
Neptune	-22912-05-16 01:40 J	-6647049.54	-6647049.43	-6647049.31	0.0088	0.0080
Neptune	-22910-04-09 22:04 J	-6646355.86	-6646355.58	-6646355.28	0.0088	0.0021
Neptune	-22908-03-03 17:45 J	-6645662.00	-6645661.76	-6645661.47	0.0088	0.0039
Jupiter	-22887-12-03 14:52 J	-6637717.11	-6637716.88	-6637716.64	0.0526	0.0302
Uranus	-22876-05-25 10:04 J	-6633891.34	-6633891.08	-6633890.78	0.0132	0.0054
Jupiter	-22869-09-07 00:14 J	-6631229.71	-6631229.49	-6631229.26	0.0498	0.0248
Saturn	-22860-05-23 20:38 J	-6628048.84	-6628048.64	-6628048.42	0.0265	0.0188
Saturn	-22844-04-28 17:45 J	-6622229.94	-6622229.76	-6622229.56	0.0297	0.0223
Uranus	-22834-10-13 12:57 J	-6618410.22	-6618409.96	-6618409.68	0.0146	0.0073
Jupiter	-22833-06-11 10:19 J	-6618168.33	-6618168.07	-6618167.81	0.0499	0.0074
Neptune	-22828-02-19 01:11 J	-6616454.75	-6616454.45	-6616454.12	0.0089	0.0029
Neptune	-22826-01-16 02:38 J	-6615758.67	-6615758.39	-6615758.08	0.0089	0.0043
Jupiter	-22804-08-14 02:38 J	-6607512.47	-6607512.39	-6607512.30	0.0530	0.0505
Jupiter	-22797-03-15 16:19 J	-6605106.98	-6605106.82	-6605106.65	0.0501	0.0391
Uranus	-22793-02-17 08:09 J	-6603673.41	-6603673.16	-6603672.89	0.0133	0.0069
Uranus	-22791-01-18 10:19 J	-6602972.14	-6602972.07	-6602971.94	0.0132	0.0126
Saturn	-22772-10-17 01:26 J	-6595760.67	-6595760.44	-6595760.19	0.0266	0.0159
Jupiter	-22768-05-22 10:04 J	-6594447.37	-6594447.08	-6594446.79	0.0527	0.0025
Saturn	-22756-09-21 15:36 J	-6589942.00	-6589941.85	-6589941.68	0.0297	0.0245
Jupiter	-22750-02-28 10:48 J	-6587956.15	-6587956.05	-6587955.94	0.0497	0.0453
Uranus	-22749-06-08 09:07 J	-6587490.42	-6587490.12	-6587489.81	0.0146	0.0020
Neptune	-22747-11-22 23:31 J	-6586592.73	-6586592.52	-6586592.26	0.0088	0.0054
Neptune	-22745-10-16 20:38 J	-6585898.93	-6585898.64	-6585898.34	0.0088	0.0006
Neptune	-22743-09-10 16:33 J	-6585204.98	-6585204.81	-6585204.59	0.0088	0.0066
Jupiter	-22732-02-27 20:52 J	-6581381.78	-6581381.63	-6581381.48	0.0526	0.0448

Jupiter	-22715-12-02 15:36 J	-6574895.10	-6574894.85	-6574894.60	0.0499	0.0144
Uranus	-22709-10-12 06:43 J	-6572754.52	-6572754.22	-6572753.91	0.0133	0.0003
Saturn	-22683-03-12 09:21 J	-6563472.37	-6563472.11	-6563471.83	0.0265	0.0120
Jupiter	-22679-09-05 18:28 J	-6561833.98	-6561833.73	-6561833.48	0.0499	0.0166
Saturn	-22667-02-14 06:57 J	-6557654.35	-6557654.21	-6557654.06	0.0296	0.0258
Neptune	-22665-10-02 03:21 J	-6556693.55	-6556693.36	-6556693.13	0.0089	0.0070
Uranus	-22664-02-02 07:26 J	-6556570.36	-6556570.19	-6556569.98	0.0146	0.0114
Neptune	-22663-08-29 06:14 J	-6555997.57	-6555997.24	-6555996.90	0.0089	0.0003
Neptune	-22661-07-25 06:43 J	-6555301.37	-6555301.22	-6555301.00	0.0089	0.0075
Jupiter	-22650-11-08 18:28 J	-6551177.93	-6551177.73	-6551177.52	0.0528	0.0375
Jupiter	-22643-06-10 04:19 J	-6548772.37	-6548772.32	-6548772.25	0.0501	0.0487
Uranus	-22626-07-07 03:36 J	-6542536.45	-6542536.35	-6542536.19	0.0133	0.0121
Uranus	-22624-06-07 05:02 J	-6541835.54	-6541835.29	-6541835.03	0.0133	0.0074
Jupiter	-22614-08-17 01:40 J	-6538112.71	-6538112.43	-6538112.14	0.0528	0.0098
Jupiter	-22596-05-24 12:00 J	-6531622.16	-6531622.00	-6531621.82	0.0498	0.0375
Saturn	-22595-08-05 23:31 J	-6531183.81	-6531183.52	-6531183.23	0.0266	0.0074
Neptune	-22583-07-08 04:19 J	-6526829.35	-6526829.32	-6526829.24	0.0088	0.0086
Uranus	-22582-10-26 06:14 J	-6526354.52	-6526354.24	-6526353.94	0.0146	0.0050
Neptune	-22581-05-31 23:02 J	-6526135.82	-6526135.54	-6526135.26	0.0088	0.0026
Neptune	-22579-04-25 18:28 J	-6525441.98	-6525441.73	-6525441.43	0.0088	0.0034
Jupiter	-22560-02-25 11:02 J	-6518561.30	-6518561.04	-6518560.78	0.0498	0.0073
Uranus	-22541-03-01 04:33 J	-6511617.60	-6511617.31	-6511617.02	0.0133	0.0048
Pluto	-22533-09-22 07:40 J	-6508490.36	-6508490.18	-6508489.93	0.0066	0.0049
Jupiter	-22525-11-29 14:09 J	-6505500.14	-6505499.91	-6505499.67	0.0500	0.0233
Saturn	-22521-10-15 05:16 J	-6504084.44	-6504084.28	-6504084.09	0.0295	0.0234
Saturn	-22507-12-31 08:23 J	-6498894.45	-6498894.15	-6498893.85	0.0266	0.0002
Neptune	-22499-04-11 09:50 J	-6496236.37	-6496236.09	-6496235.76	0.0089	0.0038
Neptune	-22497-03-07 12:28 J	-6495540.27	-6495539.98	-6495539.65	0.0089	0.0036
Uranus	-22497-06-21 10:33 J	-6495434.35	-6495434.06	-6495433.76	0.0146	0.0049
Jupiter	-22495-02-01 11:16 J	-6494844.27	-6494844.03	-6494843.78	0.0529	0.0289

Jupiter -22460-11-09 05:45 J -6481779.53 -6481779.26 -6481778.98 0.0527 0.0160
 Uranus -22457-10-25 02:09 J -6480698.70 -6480698.41 -6480698.10 0.0133 0.0025
 Pluto -22445-02-05 18:43 J -6476578.01 -6476577.72 -6476577.40 0.0079 0.0018
 Jupiter -22442-08-17 22:04 J -6475288.78 -6475288.58 -6475288.38 0.0497 0.0321
 Saturn -22432-03-11 23:45 J -6471794.75 -6471794.51 -6471794.25 0.0295 0.0141
 Saturn -22418-05-27 14:38 J -6466605.17 -6466604.89 -6466604.59 0.0266 0.0072
 Neptune -22417-01-15 04:33 J -6466372.53 -6466372.31 -6466372.09 0.0088 0.0058
 Neptune -22416-12-08 23:31 J -6465678.82 -6465678.52 -6465678.23 0.0088 0.0002
 Uranus -22414-03-14 02:09 J -6465218.57 -6465218.41 -6465218.21 0.0145 0.0118
 Neptune -22414-11-02 18:28 J -6464984.91 -6464984.73 -6464984.49 0.0088 0.0062
 Uranus -22412-02-15 11:31 J -6464514.06 -6464514.02 -6464513.98 0.0146 0.0144
 Jupiter -22406-05-21 18:28 J -6462227.99 -6462227.73 -6462227.47 0.0499 0.0027
 Uranus -22374-07-20 00:57 J -6450480.64 -6450480.46 -6450480.23 0.0133 0.0098
 Uranus -22372-06-20 00:00 J -6449779.69 -6449779.50 -6449779.27 0.0133 0.0097
 Jupiter -22370-02-22 18:43 J -6449166.93 -6449166.72 -6449166.50 0.0500 0.0283
 Saturn -22344-08-07 05:45 J -6439504.55 -6439504.26 -6439503.98 0.0295 0.0024
 Jupiter -22341-04-26 07:40 J -6438511.44 -6438511.18 -6438510.92 0.0528 0.0235
 Neptune -22336-11-22 13:40 J -6436475.06 -6436474.93 -6436474.72 0.0089 0.0078
 Neptune -22334-10-19 18:00 J -6435779.08 -6435778.75 -6435778.41 0.0089 0.0005
 Neptune -22332-09-14 19:55 J -6435082.85 -6435082.67 -6435082.42 0.0089 0.0069
 Saturn -22330-10-22 13:11 J -6434315.18 -6434314.95 -6434314.71 0.0266 0.0167
 Uranus -22330-11-07 21:36 J -6434298.90 -6434298.60 -6434298.28 0.0145 0.0026
 Jupiter -22305-02-02 16:48 J -6425446.05 -6425445.80 -6425445.53 0.0527 0.0236
 Uranus -22289-03-13 20:09 J -6419561.95 -6419561.66 -6419561.35 0.0133 0.0027
 Jupiter -22288-11-10 04:33 J -6418955.52 -6418955.31 -6418955.09 0.0498 0.0274
 Pluto -22286-02-13 07:40 J -6418495.47 -6418495.18 -6418494.85 0.0066 0.0019
 Saturn -22271-01-28 04:48 J -6413032.38 -6413032.30 -6413032.19 0.0267 0.0254
 Saturn -22255-01-02 00:00 J -6407214.78 -6407214.50 -6407214.22 0.0295 0.0068
 Neptune -22252-07-24 06:43 J -6405915.49 -6405915.22 -6405914.93 0.0088 0.0030
 Jupiter -22252-08-14 04:19 J -6405894.58 -6405894.32 -6405894.06 0.0498 0.0032

Neptune	-22250-06-18 01:40 J	-6405221.70	-6405221.43	-6405221.15	0.0088	0.0030
Uranus	-22245-07-03 13:40 J	-6403379.19	-6403378.93	-6403378.64	0.0146	0.0065
Saturn	-22241-03-17 16:33 J	-6402025.95	-6402025.81	-6402025.66	0.0265	0.0232
Jupiter	-22216-05-18 09:50 J	-6392833.28	-6392833.09	-6392832.90	0.0500	0.0345
Uranus	-22205-11-06 15:21 J	-6388643.14	-6388642.86	-6388642.56	0.0133	0.0043
Pluto	-22199-06-28 21:36 J	-6386582.88	-6386582.60	-6386582.28	0.0079	0.0024
Jupiter	-22187-07-21 03:07 J	-6382177.65	-6382177.37	-6382177.08	0.0529	0.0142
Saturn	-22183-06-24 01:40 J	-6380743.62	-6380743.43	-6380743.22	0.0267	0.0197
Neptune	-22170-06-02 00:28 J	-6376017.75	-6376017.48	-6376017.17	0.0089	0.0044
Neptune	-22168-04-28 03:36 J	-6375321.65	-6375321.35	-6375321.02	0.0089	0.0030
Saturn	-22167-05-28 18:00 J	-6374926.00	-6374925.75	-6374925.48	0.0295	0.0127
Uranus	-22162-03-25 22:04 J	-6373163.79	-6373163.58	-6373163.37	0.0145	0.0106
Jupiter	-22151-04-27 22:04 J	-6369112.80	-6369112.58	-6369112.33	0.0527	0.0311
Jupiter	-22133-02-04 02:23 J	-6362621.63	-6362621.40	-6362621.15	0.0497	0.0196
Uranus	-22122-08-01 08:09 J	-6358425.38	-6358425.16	-6358424.90	0.0133	0.0083
Uranus	-22120-07-02 08:23 J	-6357724.31	-6357724.15	-6357723.98	0.0133	0.0111
Jupiter	-22098-11-08 09:36 J	-6349560.35	-6349560.10	-6349559.84	0.0499	0.0119
Saturn	-22095-11-17 23:45 J	-6348454.76	-6348454.51	-6348454.24	0.0267	0.0141
Neptune	-22088-03-08 14:23 J	-6346152.09	-6346151.90	-6346151.67	0.0088	0.0061
Neptune	-22086-01-31 09:21 J	-6345458.40	-6345458.11	-6345457.81	0.0088	0.0002
Neptune	-22085-12-25 04:33 J	-6344764.49	-6344764.31	-6344764.06	0.0088	0.0060
Saturn	-22079-10-22 02:52 J	-6342637.61	-6342637.38	-6342637.13	0.0296	0.0165
Uranus	-22078-11-19 22:48 J	-6342243.86	-6342243.55	-6342243.24	0.0145	0.0012
Jupiter	-22068-01-05 21:36 J	-6338908.68	-6338908.60	-6338908.51	0.0530	0.0506
Jupiter	-22062-08-12 11:45 J	-6336499.15	-6336499.01	-6336498.88	0.0500	0.0426
Pluto	-22040-07-06 05:45 J	-6328500.58	-6328500.26	-6328499.94	0.0066	0.0004
Uranus	-22037-03-26 03:21 J	-6327506.66	-6327506.36	-6327506.05	0.0133	0.0013
Jupiter	-22033-10-14 05:31 J	-6325843.56	-6325843.27	-6325842.98	0.0528	0.0032
Jupiter	-22015-07-27 14:09 J	-6319348.05	-6319347.91	-6319347.75	0.0496	0.0399
Neptune	-22006-01-13 09:07 J	-6316256.22	-6316256.12	-6316255.96	0.0089	0.0083

Saturn -22006-04-12 22:19 J -6316166.83 -6316166.57 -6316166.29 0.0266 0.0115

Neptune -22005-12-09 14:09 J -6315560.24 -6315559.91 -6315559.57 0.0089 0.0009

Neptune -22003-11-05 16:19 J -6314864.02 -6314863.82 -6314863.56 0.0089 0.0065

22ND MILLENNIUM BCE

This is a list of transits of Mars in the 22nd millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-21997-07-23 01:40 J		-6312777.57	-6312777.43	-6312777.27	0.0527	0.0452	
Uranus	-21993-07-16 01:55 J		-6311323.66	-6311323.42	-6311323.16	0.0145	0.0085	
Saturn	-21990-03-16 06:14 J		-6310350.48	-6310350.24	-6310350.00	0.0295	0.0157	
Jupiter	-21979-04-30 19:11 J		-6306286.95	-6306286.70	-6306286.44	0.0498	0.0091	
Uranus	-21953-11-18 20:52 J		-6296587.89	-6296587.63	-6296587.34	0.0133	0.0057	
Pluto	-21953-11-19 02:38 J		-6296587.52	-6296587.39	-6296587.17	0.0078	0.0066	*
Jupiter	-21943-02-01 21:21 J		-6293225.84	-6293225.61	-6293225.37	0.0499	0.0217	
Neptune	-21923-09-15 19:55 J		-6285694.92	-6285694.67	-6285694.37	0.0088	0.0032	
Neptune	-21921-08-09 14:38 J		-6285001.16	-6285000.89	-6285000.60	0.0088	0.0029	
Saturn	-21918-09-05 22:33 J		-6283878.84	-6283878.56	-6283878.26	0.0267	0.0090	
Jupiter	-21914-04-02 17:02 J		-6282573.99	-6282573.79	-6282573.57	0.0529	0.0368	
Uranus	-21910-04-07 15:36 J		-6281108.09	-6281107.85	-6281107.57	0.0145	0.0081	
Saturn	-21902-08-08 20:38 J		-6278062.87	-6278062.64	-6278062.40	0.0296	0.0166	
Jupiter	-21878-01-09 16:33 J		-6269508.09	-6269507.81	-6269507.52	0.0528	0.0123	
Uranus	-21870-08-13 17:02 J		-6266370.03	-6266369.79	-6266369.51	0.0133	0.0068	
Uranus	-21868-07-14 14:38 J		-6265668.96	-6265668.89	-6265668.77	0.0133	0.0126	

Jupiter -21861-10-21 09:21 J -6263013.32 -6263013.11 -6263012.90 0.0498 0.0294
 Neptune -21841-07-22 23:45 J -6255798.76 -6255798.51 -6255798.19 0.0089 0.0048
 Neptune -21839-06-19 04:48 J -6255102.62 -6255102.30 -6255101.98 0.0089 0.0027
 Saturn -21829-01-29 20:38 J -6251590.93 -6251590.64 -6251590.34 0.0266 0.0064
 Uranus -21826-12-02 12:57 J -6250188.27 -6250187.96 -6250187.65 0.0145 0.0012
 Jupiter -21825-07-25 09:36 J -6249952.36 -6249952.10 -6249951.84 0.0498 0.0012
 Saturn -21814-12-31 23:16 J -6245775.77 -6245775.53 -6245775.28 0.0295 0.0155
 Pluto -21794-11-26 23:16 J -6238505.82 -6238505.53 -6238505.20 0.0066 0.0020
 Jupiter -21789-04-28 16:48 J -6236891.00 -6236890.80 -6236890.60 0.0500 0.0321
 Uranus -21785-04-07 07:40 J -6235451.49 -6235451.18 -6235450.88 0.0133 0.0001
 Jupiter -21760-06-27 21:50 J -6226238.84 -6226238.59 -6226238.31 0.0529 0.0226
 Neptune -21759-05-01 08:38 J -6225931.33 -6225931.14 -6225930.91 0.0088 0.0062
 Neptune -21757-03-25 02:09 J -6225237.70 -6225237.41 -6225237.11 0.0088 0.0002
 Neptune -21755-02-16 20:38 J -6224543.86 -6224543.64 -6224543.42 0.0088 0.0059
 Saturn -21741-06-24 01:55 J -6219302.72 -6219302.42 -6219302.12 0.0268 0.0029
 Uranus -21741-07-28 02:09 J -6219268.63 -6219268.41 -6219268.17 0.0145 0.0099
 Saturn -21725-05-26 10:48 J -6213487.24 -6213487.05 -6213486.83 0.0295 0.0203
 Jupiter -21724-04-05 00:28 J -6213173.74 -6213173.48 -6213173.22 0.0527 0.0228
 Jupiter -21706-01-15 15:07 J -6206679.11 -6206678.87 -6206678.64 0.0497 0.0211
 Uranus -21703-12-31 03:21 J -6205233.46 -6205233.36 -6205233.23 0.0134 0.0124
 Uranus -21701-11-30 23:16 J -6204532.77 -6204532.53 -6204532.25 0.0133 0.0069
 Neptune -21677-03-05 12:00 J -6196037.08 -6196037.00 -6196036.86 0.0089 0.0085
 Neptune -21675-01-30 18:14 J -6195341.06 -6195340.74 -6195340.39 0.0089 0.0011
 Neptune -21674-12-27 22:04 J -6194644.79 -6194644.58 -6194644.32 0.0089 0.0064
 Jupiter -21671-10-19 15:50 J -6193618.10 -6193617.84 -6193617.58 0.0499 0.0088
 Uranus -21658-04-19 01:40 J -6189053.68 -6189053.43 -6189053.14 0.0145 0.0075
 Saturn -21653-11-18 00:14 J -6187013.79 -6187013.49 -6187013.19 0.0267 0.0034
 Saturn -21637-10-20 03:50 J -6181198.47 -6181198.34 -6181198.18 0.0295 0.0255
 Jupiter -21635-07-23 17:02 J -6180556.94 -6180556.79 -6180556.63 0.0500 0.0398
 Uranus -21618-08-25 13:55 J -6174315.19 -6174314.92 -6174314.65 0.0134 0.0059

Uranus	-21616-07-26 11:16 J	-6173614.03	-6173614.03	-6173614.01	0.0133	0.0133
Jupiter	-21606-09-21 15:21 J	-6169905.14	-6169904.86	-6169904.58	0.0528	0.0144
Neptune	-21594-11-08 16:19 J	-6165474.09	-6165473.82	-6165473.54	0.0088	0.0031
Neptune	-21592-10-02 09:36 J	-6164780.36	-6164780.10	-6164779.80	0.0088	0.0030
Jupiter	-21588-07-07 11:02 J	-6163406.14	-6163406.04	-6163405.91	0.0496	0.0444
Saturn	-21578-01-25 16:48 J	-6159916.81	-6159916.80	-6159916.78	0.0292	0.0292
Uranus	-21574-12-13 17:02 J	-6158134.10	-6158133.79	-6158133.47	0.0145	0.0013
Jupiter	-21570-06-30 03:21 J	-6156839.58	-6156839.36	-6156839.12	0.0527	0.0325
Saturn	-21564-04-14 01:40 J	-6154724.71	-6154724.43	-6154724.15	0.0268	0.0099
Jupiter	-21552-04-10 04:33 J	-6150345.56	-6150345.31	-6150345.07	0.0498	0.0158
Pluto	-21547-04-18 11:31 J	-6148511.30	-6148511.02	-6148510.70	0.0066	0.0023
Uranus	-21533-04-19 02:23 J	-6143396.71	-6143396.40	-6143396.10	0.0134	0.0006
Jupiter	-21516-01-12 01:40 J	-6137284.68	-6137284.43	-6137284.18	0.0499	0.0143
Neptune	-21512-09-13 07:26 J	-6135579.46	-6135579.19	-6135578.89	0.0089	0.0048
Neptune	-21510-08-10 13:11 J	-6134883.27	-6134882.95	-6134882.63	0.0089	0.0027
Saturn	-21490-06-22 21:50 J	-6127626.81	-6127626.59	-6127626.36	0.0293	0.0176
Uranus	-21489-08-08 13:40 J	-6127214.12	-6127213.93	-6127213.69	0.0145	0.0104
Jupiter	-21481-10-16 01:11 J	-6124223.56	-6124223.45	-6124223.32	0.0500	0.0443
Saturn	-21476-09-08 22:04 J	-6122434.78	-6122434.58	-6122434.37	0.0267	0.0194
Jupiter	-21452-12-15 03:36 J	-6113571.64	-6113571.35	-6113571.06	0.0528	0.0068
Uranus	-21450-01-11 18:28 J	-6113178.84	-6113178.73	-6113178.58	0.0134	0.0120
Uranus	-21449-12-12 13:40 J	-6112478.18	-6112477.93	-6112477.67	0.0133	0.0072
Jupiter	-21434-09-30 15:50 J	-6107072.99	-6107072.84	-6107072.69	0.0497	0.0403
Neptune	-21430-06-24 05:16 J	-6105710.47	-6105710.28	-6105710.05	0.0088	0.0061
Neptune	-21428-05-18 00:00 J	-6105016.79	-6105016.50	-6105016.20	0.0088	0.0001
Neptune	-21426-04-11 18:00 J	-6104322.95	-6104322.75	-6104322.53	0.0088	0.0061
Saturn	-21418-12-16 02:23 J	-6101152.52	-6101152.40	-6101152.27	0.0269	0.0245
Jupiter	-21416-09-21 19:11 J	-6100506.90	-6100506.70	-6100506.49	0.0527	0.0372
Uranus	-21406-04-30 23:02 J	-6096998.80	-6096998.54	-6096998.24	0.0145	0.0063
Saturn	-21402-11-17 23:31 J	-6095336.79	-6095336.52	-6095336.24	0.0293	0.0074

Jupiter	-21398-07-04 10:33 J	-6094012.31	-6094012.06	-6094011.80	0.0498	0.0109
Uranus	-21366-09-06 07:40 J	-6082260.44	-6082260.18	-6082259.89	0.0134	0.0054
Jupiter	-21362-04-07 08:38 J	-6080951.37	-6080951.14	-6080950.89	0.0499	0.0190
Neptune	-21348-04-26 21:50 J	-6075817.66	-6075817.59	-6075817.44	0.0089	0.0085
Neptune	-21346-03-24 04:33 J	-6075121.64	-6075121.31	-6075120.97	0.0089	0.0009
Neptune	-21344-02-17 08:52 J	-6074425.33	-6074425.13	-6074424.87	0.0089	0.0065
Jupiter	-21333-05-31 20:52 J	-6070303.76	-6070303.63	-6070303.49	0.0530	0.0469
Saturn	-21329-05-11 09:21 J	-6068863.34	-6068863.11	-6068862.87	0.0269	0.0172
Jupiter	-21326-01-09 04:04 J	-6067890.39	-6067890.33	-6067890.27	0.0500	0.0485
Uranus	-21322-12-25 20:52 J	-6066078.94	-6066078.63	-6066078.32	0.0145	0.0029
Saturn	-21313-04-13 11:16 J	-6063047.31	-6063047.03	-6063046.74	0.0293	0.0014
Pluto	-21301-09-07 17:45 J	-6058517.06	-6058516.76	-6058516.44	0.0066	0.0016
Jupiter	-21297-03-08 21:21 J	-6057238.91	-6057238.61	-6057238.32	0.0528	0.0013
Uranus	-21281-04-30 18:57 J	-6051342.01	-6051341.71	-6051341.41	0.0133	0.0012
Jupiter	-21280-12-24 04:48 J	-6050739.48	-6050739.30	-6050739.11	0.0497	0.0341
Neptune	-21265-12-31 13:26 J	-6045253.19	-6045252.94	-6045252.64	0.0088	0.0030
Neptune	-21263-11-25 07:55 J	-6044559.43	-6044559.17	-6044558.88	0.0088	0.0032
Jupiter	-21262-12-16 16:04 J	-6044172.96	-6044172.83	-6044172.69	0.0527	0.0464
Jupiter	-21244-09-27 04:33 J	-6037678.56	-6037678.31	-6037678.05	0.0498	0.0042
Saturn	-21241-10-05 20:38 J	-6036573.91	-6036573.64	-6036573.34	0.0268	0.0096
Uranus	-21239-09-15 19:11 J	-6035863.73	-6035863.70	-6035863.60	0.0145	0.0142
Uranus	-21237-08-20 12:28 J	-6035159.14	-6035158.98	-6035158.78	0.0145	0.0117
Saturn	-21225-09-07 12:00 J	-6030758.27	-6030758.00	-6030757.72	0.0294	0.0075
Jupiter	-21208-07-01 00:14 J	-6024617.72	-6024617.49	-6024617.27	0.0499	0.0253
Uranus	-21198-01-23 14:23 J	-6021124.05	-6021123.90	-6021123.72	0.0134	0.0112
Uranus	-21197-12-24 07:40 J	-6020423.41	-6020423.18	-6020422.92	0.0133	0.0079
Neptune	-21183-11-04 20:09 J	-6015359.92	-6015359.66	-6015359.34	0.0089	0.0046
Neptune	-21181-10-01 02:23 J	-6014663.70	-6014663.40	-6014663.06	0.0089	0.0029
Jupiter	-21179-08-25 09:07 J	-6013970.32	-6013970.12	-6013969.91	0.0529	0.0379
Uranus	-21154-05-12 08:23 J	-6004944.44	-6004944.15	-6004943.86	0.0145	0.0056

Saturn	-21152-03-01 07:40 J	-6004285.47	-6004285.18	-6004284.87	0.0268	0.0051
Jupiter	-21143-06-03 12:28 J	-6000904.27	-6000903.98	-6000903.69	0.0528	0.0113
Saturn	-21136-01-31 06:43 J	-5998470.49	-5998470.22	-5998469.95	0.0294	0.0091
Jupiter	-21125-03-19 11:45 J	-5994405.22	-5994405.01	-5994404.78	0.0497	0.0253
Uranus	-21114-09-18 00:00 J	-5990205.78	-5990205.50	-5990205.21	0.0134	0.0048
Neptune	-21101-08-16 06:14 J	-5985489.43	-5985489.24	-5985489.00	0.0088	0.0059
Neptune	-21099-07-10 23:31 J	-5984795.81	-5984795.52	-5984795.22	0.0088	0.0003
Neptune	-21097-06-03 16:33 J	-5984101.99	-5984101.81	-5984101.59	0.0088	0.0064
Jupiter	-21090-12-22 10:04 J	-5981344.34	-5981344.08	-5981343.82	0.0498	0.0044
Uranus	-21069-01-05 19:11 J	-5974025.01	-5974024.70	-5974024.39	0.0145	0.0027
Saturn	-21064-07-25 15:21 J	-5971997.17	-5971996.86	-5971996.55	0.0268	0.0014
Pluto	-21054-01-28 17:16 J	-5968523.09	-5968522.78	-5968522.45	0.0066	0.0008
Jupiter	-21054-09-25 18:14 J	-5968282.92	-5968282.74	-5968282.56	0.0499	0.0357
Saturn	-21048-06-26 01:11 J	-5966182.71	-5966182.45	-5966182.18	0.0294	0.0106
Uranus	-21029-05-12 09:36 J	-5959287.40	-5959287.10	-5959286.80	0.0133	0.0016
Jupiter	-21025-11-19 16:19 J	-5957635.08	-5957634.82	-5957634.55	0.0529	0.0231
Neptune	-21019-06-18 12:00 J	-5955598.10	-5955598.00	-5955597.84	0.0089	0.0083
Neptune	-21017-05-14 18:43 J	-5954902.05	-5954901.72	-5954901.38	0.0089	0.0007
Neptune	-21015-04-11 00:14 J	-5954205.70	-5954205.49	-5954205.26	0.0089	0.0068
Jupiter	-21007-09-10 04:19 J	-5951131.41	-5951131.32	-5951131.20	0.0497	0.0451

21ST MILLENNIUM BCE

This is a list of transits of Mars in the 21st millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								

TIME

Jupiter	-20989-08-28 00:28 J	-5944569.74	-5944569.48	-5944569.21	0.0528	0.0229
Uranus	-20987-09-26 14:38 J	-5943809.89	-5943809.89	-5943809.88	0.0144	0.0144
Uranus	-20985-08-31 09:36 J	-5943105.28	-5943105.10	-5943104.89	0.0145	0.0114
Saturn	-20976-12-18 10:04 J	-5939709.39	-5939709.08	-5939708.78	0.0268	0.0010
Jupiter	-20971-06-14 02:38 J	-5938070.64	-5938070.39	-5938070.15	0.0497	0.0155
Pluto	-20967-06-14 01:11 J	-5936609.67	-5936609.45	-5936609.19	0.0078	0.0050
Saturn	-20960-11-18 01:11 J	-5933895.71	-5933895.45	-5933895.18	0.0293	0.0089
Uranus	-20946-02-04 01:55 J	-5929069.56	-5929069.42	-5929069.22	0.0134	0.0111
Uranus	-20944-01-04 18:57 J	-5928368.93	-5928368.71	-5928368.44	0.0133	0.0080
Neptune	-20935-02-23 14:52 J	-5925032.15	-5925031.88	-5925031.59	0.0088	0.0027
Jupiter	-20935-03-18 06:57 J	-5925009.45	-5925009.21	-5925008.96	0.0499	0.0150
Neptune	-20933-01-18 08:09 J	-5924338.40	-5924338.16	-5924337.86	0.0088	0.0035
Uranus	-20902-05-23 12:43 J	-5912890.25	-5912889.97	-5912889.67	0.0145	0.0055
Jupiter	-20900-12-20 11:45 J	-5911948.10	-5911948.01	-5911947.91	0.0500	0.0462
Saturn	-20887-05-13 04:48 J	-5907421.60	-5907421.30	-5907420.99	0.0269	0.0032
Saturn	-20871-04-12 22:04 J	-5901607.83	-5901607.58	-5901607.31	0.0293	0.0112
Jupiter	-20870-02-14 09:21 J	-5901300.40	-5901300.11	-5901299.82	0.0528	0.0111
Uranus	-20862-09-29 13:26 J	-5898151.21	-5898150.94	-5898150.65	0.0134	0.0046
Neptune	-20854-12-27 11:45 J	-5895140.28	-5895140.01	-5895139.68	0.0089	0.0044
Jupiter	-20853-12-04 17:31 J	-5894796.94	-5894796.77	-5894796.59	0.0497	0.0359
Neptune	-20852-11-22 17:45 J	-5894444.05	-5894443.76	-5894443.42	0.0089	0.0033
Jupiter	-20835-11-23 06:28 J	-5888234.43	-5888234.23	-5888234.02	0.0527	0.0367
Uranus	-20817-01-17 12:00 J	-5881970.30	-5881970.00	-5881969.69	0.0145	0.0037
Jupiter	-20817-09-07 16:48 J	-5881736.06	-5881735.80	-5881735.55	0.0498	0.0066
Pluto	-20808-06-19 10:33 J	-5878529.28	-5878529.06	-5878528.77	0.0066	0.0041
Saturn	-20799-10-06 09:21 J	-5875133.39	-5875133.11	-5875132.80	0.0269	0.0073
Saturn	-20783-09-05 20:09 J	-5869319.90	-5869319.66	-5869319.40	0.0293	0.0132
Jupiter	-20781-06-11 16:33 J	-5868675.03	-5868674.81	-5868674.58	0.0499	0.0239
Uranus	-20777-05-24 00:28 J	-5867232.78	-5867232.48	-5867232.18	0.0134	0.0020

Neptune	-20772-10-09 06:57 J	-5865268.41	-5865268.21	-5865267.96	0.0088	0.0057
Neptune	-20770-09-03 00:43 J	-5864574.77	-5864574.47	-5864574.18	0.0088	0.0005
Neptune	-20768-07-27 17:45 J	-5863880.92	-5863880.76	-5863880.54	0.0088	0.0067
Jupiter	-20752-08-02 04:48 J	-5858031.43	-5858031.30	-5858031.18	0.0529	0.0475
Uranus	-20735-10-08 11:45 J	-5851755.14	-5851755.01	-5851754.87	0.0145	0.0131
Uranus	-20733-09-12 07:40 J	-5851050.30	-5851050.18	-5851050.00	0.0145	0.0127
Pluto	-20721-11-02 17:31 J	-5846616.07	-5846615.77	-5846615.45	0.0078	0.0011
Jupiter	-20716-05-11 03:07 J	-5844965.66	-5844965.37	-5844965.07	0.0528	0.0008
Saturn	-20710-03-01 21:21 J	-5842844.88	-5842844.61	-5842844.33	0.0270	0.0122
Jupiter	-20698-02-28 15:36 J	-5838463.05	-5838462.85	-5838462.64	0.0497	0.0296
Saturn	-20694-01-31 03:21 J	-5837030.54	-5837030.36	-5837030.16	0.0293	0.0214
Uranus	-20694-02-15 22:19 J	-5837014.73	-5837014.57	-5837014.35	0.0134	0.0104
Uranus	-20692-01-16 12:57 J	-5836314.17	-5836313.96	-5836313.70	0.0133	0.0086
Neptune	-20690-08-10 03:21 J	-5835378.47	-5835378.36	-5835378.17	0.0089	0.0081
Neptune	-20688-07-06 10:48 J	-5834682.38	-5834682.05	-5834681.71	0.0089	0.0005
Neptune	-20686-06-02 15:36 J	-5833986.02	-5833985.85	-5833985.61	0.0089	0.0072
Jupiter	-20680-02-16 03:50 J	-5831900.48	-5831900.34	-5831900.19	0.0527	0.0455
Jupiter	-20663-12-02 12:00 J	-5825402.26	-5825402.00	-5825401.74	0.0498	0.0001
Uranus	-20650-06-04 04:19 J	-5820835.62	-5820835.32	-5820835.01	0.0145	0.0044
Jupiter	-20627-09-05 07:40 J	-5812341.38	-5812341.18	-5812340.97	0.0499	0.0292
Saturn	-20622-07-27 09:21 J	-5810555.29	-5810555.11	-5810554.90	0.0269	0.0208
Uranus	-20610-10-11 09:36 J	-5806096.38	-5806096.10	-5806095.80	0.0134	0.0039
Neptune	-20608-05-25 00:14 J	-5805504.53	-5805504.49	-5805504.43	0.0088	0.0086
Neptune	-20606-04-18 15:50 J	-5804811.10	-5804810.84	-5804810.54	0.0088	0.0025
Neptune	-20604-03-12 09:07 J	-5804117.38	-5804117.12	-5804116.85	0.0088	0.0037
Jupiter	-20598-10-27 02:52 J	-5801697.58	-5801697.38	-5801697.18	0.0529	0.0385
Uranus	-20565-01-28 16:19 J	-5789916.11	-5789915.82	-5789915.51	0.0145	0.0040
Saturn	-20564-10-31 22:19 J	-5789273.65	-5789273.57	-5789273.45	0.0272	0.0258
Jupiter	-20562-08-04 01:55 J	-5788632.71	-5788632.42	-5788632.12	0.0528	0.0065
Saturn	-20548-10-03 05:02 J	-5783458.47	-5783458.29	-5783458.11	0.0290	0.0220

Jupiter	-20544-05-24 00:14 J	-5782129.71	-5782129.49	-5782129.26	0.0497	0.0245
Uranus	-20525-06-04 20:38 J	-5775177.93	-5775177.64	-5775177.34	0.0133	0.0025
Neptune	-20524-02-17 02:23 J	-5774920.67	-5774920.40	-5774920.07	0.0089	0.0042
Neptune	-20522-01-14 09:07 J	-5774224.40	-5774224.12	-5774223.78	0.0089	0.0036
Jupiter	-20508-02-24 17:31 J	-5769069.03	-5769068.77	-5769068.52	0.0498	0.0043
Uranus	-20483-10-19 04:04 J	-5759701.43	-5759701.33	-5759701.21	0.0145	0.0135
Uranus	-20481-09-23 04:04 J	-5758996.48	-5758996.33	-5758996.15	0.0145	0.0124
Saturn	-20475-03-28 13:11 J	-5756984.18	-5756983.95	-5756983.70	0.0271	0.0170
Jupiter	-20473-11-28 07:40 J	-5756008.37	-5756008.18	-5756007.98	0.0500	0.0328
Saturn	-20459-02-28 05:45 J	-5751168.52	-5751168.26	-5751168.00	0.0290	0.0113
Jupiter	-20443-01-18 15:21 J	-5745365.08	-5745364.86	-5745364.62	0.0529	0.0337
Neptune	-20443-12-02 08:23 J	-5745047.35	-5745047.15	-5745046.90	0.0088	0.0055
Uranus	-20442-02-27 16:48 J	-5744959.98	-5744959.80	-5744959.58	0.0134	0.0099
Neptune	-20441-10-26 01:11 J	-5744353.74	-5744353.45	-5744353.16	0.0088	0.0007
Uranus	-20440-01-28 05:31 J	-5744259.48	-5744259.27	-5744259.03	0.0133	0.0089
Neptune	-20439-09-19 17:31 J	-5743659.93	-5743659.77	-5743659.57	0.0088	0.0069
Jupiter	-20426-11-13 15:50 J	-5738856.89	-5738856.84	-5738856.78	0.0496	0.0481
Jupiter	-20408-10-27 14:23 J	-5732299.18	-5732298.90	-5732298.61	0.0528	0.0144
Uranus	-20398-06-14 23:16 J	-5728781.83	-5728781.53	-5728781.23	0.0145	0.0047
Jupiter	-20390-08-17 09:36 J	-5725796.34	-5725796.10	-5725795.86	0.0497	0.0194
Saturn	-20387-08-23 12:43 J	-5724694.27	-5724693.97	-5724693.67	0.0271	0.0074
Saturn	-20371-07-25 22:19 J	-5718878.85	-5718878.57	-5718878.29	0.0291	0.0026
Neptune	-20361-09-30 17:02 J	-5715158.93	-5715158.79	-5715158.62	0.0089	0.0079
Neptune	-20359-08-28 00:57 J	-5714462.80	-5714462.46	-5714462.12	0.0089	0.0002
Uranus	-20358-10-23 02:52 J	-5714041.66	-5714041.38	-5714041.08	0.0134	0.0035
Neptune	-20357-07-24 07:11 J	-5713766.38	-5713766.20	-5713766.00	0.0089	0.0074
Jupiter	-20354-05-20 23:45 J	-5712735.77	-5712735.51	-5712735.26	0.0498	0.0090
Jupiter	-20318-02-22 01:55 J	-5699674.57	-5699674.42	-5699674.25	0.0499	0.0395
Uranus	-20313-02-08 23:02 J	-5697861.83	-5697861.54	-5697861.23	0.0145	0.0044
Saturn	-20298-01-17 11:31 J	-5692405.33	-5692405.02	-5692404.71	0.0270	0.0012

Jupiter	-20289-04-13 16:33 J	-5689031.07	-5689030.81	-5689030.54	0.0529	0.0235
Saturn	-20283-12-19 12:00 J	-5686590.28	-5686590.00	-5686589.72	0.0291	0.0019
Neptune	-20279-07-17 23:02 J	-5685283.59	-5685283.54	-5685283.44	0.0088	0.0085
Neptune	-20277-06-10 16:33 J	-5684590.08	-5684589.81	-5684589.51	0.0088	0.0023
Neptune	-20275-05-05 08:52 J	-5683896.38	-5683896.13	-5683895.85	0.0088	0.0039
Uranus	-20273-06-16 13:26 J	-5683123.22	-5683122.94	-5683122.63	0.0134	0.0031
Jupiter	-20271-02-06 12:00 J	-5682523.13	-5682523.00	-5682522.85	0.0497	0.0411
Jupiter	-20253-01-20 21:21 J	-5675965.87	-5675965.61	-5675965.33	0.0528	0.0219
Jupiter	-20236-11-10 06:00 J	-5669462.49	-5669462.25	-5669461.99	0.0497	0.0125
Uranus	-20231-10-30 23:02 J	-5667646.71	-5667646.54	-5667646.37	0.0145	0.0122
Uranus	-20229-10-05 00:00 J	-5666941.58	-5666941.50	-5666941.36	0.0145	0.0137
Saturn	-20210-06-13 04:33 J	-5660116.61	-5660116.31	-5660116.00	0.0270	0.0041
Jupiter	-20200-08-14 09:36 J	-5656401.35	-5656401.10	-5656400.86	0.0499	0.0179
Neptune	-20195-04-10 13:40 J	-5654701.21	-5654700.93	-5654700.61	0.0089	0.0040
Saturn	-20194-05-14 15:50 J	-5654302.11	-5654301.84	-5654301.56	0.0291	0.0048
Neptune	-20193-03-06 20:52 J	-5654004.92	-5654004.63	-5654004.30	0.0089	0.0037
Uranus	-20190-03-11 16:19 J	-5652905.03	-5652904.82	-5652904.59	0.0134	0.0090
Uranus	-20188-02-09 03:36 J	-5652204.54	-5652204.35	-5652204.12	0.0133	0.0097
Jupiter	-20164-05-18 10:33 J	-5643340.12	-5643340.06	-5643340.00	0.0500	0.0484
Uranus	-20146-06-26 22:19 J	-5636726.87	-5636726.57	-5636726.25	0.0145	0.0032
Jupiter	-20135-07-08 20:52 J	-5632696.92	-5632696.63	-5632696.34	0.0529	0.0130
Saturn	-20122-11-06 03:07 J	-5627828.66	-5627828.37	-5627828.06	0.0270	0.0069
Jupiter	-20117-05-02 22:33 J	-5626188.75	-5626188.56	-5626188.36	0.0497	0.0323
Neptune	-20113-01-25 05:31 J	-5624826.48	-5624826.27	-5624826.02	0.0088	0.0054
Neptune	-20112-12-18 23:16 J	-5624132.82	-5624132.53	-5624132.23	0.0088	0.0008
Neptune	-20110-11-12 16:04 J	-5623438.97	-5623438.83	-5623438.62	0.0088	0.0071
Saturn	-20106-10-06 20:09 J	-5622014.93	-5622014.66	-5622014.38	0.0291	0.0036
Uranus	-20106-11-04 05:16 J	-5621986.56	-5621986.28	-5621985.97	0.0134	0.0025
Jupiter	-20099-04-16 21:07 J	-5619630.83	-5619630.62	-5619630.39	0.0527	0.0351
Jupiter	-20081-02-05 00:57 J	-5613127.72	-5613127.46	-5613127.20	0.0498	0.0025

Pluto	-20067-07-10 20:23 J	-5607857.93	-5607857.65	-5607857.34	0.0066	0.0027
Uranus	-20061-02-20 18:14 J	-5605807.03	-5605806.74	-5605806.44	0.0145	0.0056
Jupiter	-20046-11-09 02:52 J	-5600066.59	-5600066.38	-5600066.17	0.0499	0.0280
Saturn	-20033-03-30 22:19 J	-5595540.85	-5595540.57	-5595540.27	0.0271	0.0093
Neptune	-20032-11-22 02:38 J	-5594939.54	-5594939.39	-5594939.22	0.0089	0.0079
Neptune	-20030-10-19 10:33 J	-5594243.40	-5594243.06	-5594242.72	0.0089	0.0002
Neptune	-20028-09-14 17:16 J	-5593546.95	-5593546.78	-5593546.58	0.0089	0.0075
Uranus	-20021-06-28 19:26 J	-5591067.97	-5591067.69	-5591067.40	0.0133	0.0042
Saturn	-20017-02-29 10:48 J	-5589727.32	-5589727.05	-5589726.77	0.0291	0.0047
Jupiter	-20017-12-25 02:38 J	-5589427.52	-5589427.39	-5589427.26	0.0529	0.0473

20TH MILLENNIUM BCE

This is a list of transits of Mars in the 20th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-19981-10-03 08:38 J	-5576361.43	-5576361.14	-5576360.84	0.0528	0.0017		
Uranus	-19979-11-11 03:07 J	-5575592.53	-5575592.37	-5575592.16	0.0145	0.0118		
Uranus	-19977-10-16 08:52 J	-5574887.21	-5574887.13	-5574887.06	0.0145	0.0141		
Jupiter	-19963-07-28 17:45 J	-5569853.98	-5569853.76	-5569853.53	0.0498	0.0229		
Neptune	-19950-09-09 20:09 J	-5565062.69	-5565062.66	-5565062.56	0.0088	0.0086		
Neptune	-19948-08-03 12:14 J	-5564369.26	-5564368.99	-5564368.70	0.0088	0.0023		
Neptune	-19946-06-28 04:48 J	-5563675.56	-5563675.30	-5563675.04	0.0088	0.0039		
Jupiter	-19945-07-12 00:14 J	-5563295.60	-5563295.49	-5563295.37	0.0527	0.0482		
Saturn	-19945-08-23 17:45 J	-5563253.02	-5563252.76	-5563252.47	0.0271	0.0123		

Uranus	-19938-03-23 21:36 J	-5560849.82	-5560849.60	-5560849.34	0.0134	0.0079
Uranus	-19936-02-21 08:09 J	-5560149.33	-5560149.16	-5560148.97	0.0133	0.0106
Saturn	-19929-07-23 21:21 J	-5557439.88	-5557439.61	-5557439.33	0.0290	0.0046
Jupiter	-19927-05-01 17:02 J	-5556793.04	-5556792.79	-5556792.53	0.0498	0.0072
Uranus	-19894-07-07 19:40 J	-5544672.97	-5544672.68	-5544672.35	0.0145	0.0033
Jupiter	-19891-02-02 16:48 J	-5543731.97	-5543731.80	-5543731.62	0.0500	0.0368
Neptune	-19866-06-01 20:09 J	-5534481.93	-5534481.66	-5534481.33	0.0089	0.0042
Neptune	-19864-04-28 03:36 J	-5533785.63	-5533785.35	-5533785.01	0.0089	0.0037
Jupiter	-19862-03-22 10:19 J	-5533092.29	-5533092.07	-5533091.83	0.0528	0.0337
Saturn	-19856-01-16 17:45 J	-5530965.01	-5530964.76	-5530964.50	0.0272	0.0157
Uranus	-19854-11-16 10:04 J	-5529931.37	-5529931.08	-5529930.78	0.0134	0.0015
Jupiter	-19844-01-18 02:38 J	-5526580.49	-5526580.39	-5526580.27	0.0497	0.0444
Saturn	-19841-12-17 12:57 J	-5525151.21	-5525150.96	-5525150.69	0.0290	0.0101
Jupiter	-19827-12-28 21:50 J	-5520026.87	-5520026.59	-5520026.29	0.0528	0.0128
Pluto	-19821-11-28 15:07 J	-5517865.02	-5517864.87	-5517864.70	0.0066	0.0057
Uranus	-19809-03-02 19:40 J	-5513752.96	-5513752.68	-5513752.38	0.0145	0.0058
Jupiter	-19809-10-21 23:31 J	-5513519.77	-5513519.52	-5513519.28	0.0498	0.0150
Neptune	-19784-03-19 00:43 J	-5504605.69	-5504605.47	-5504605.24	0.0088	0.0055
Neptune	-19782-02-10 16:33 J	-5503912.10	-5503911.81	-5503911.51	0.0088	0.0007
Neptune	-19780-01-04 08:38 J	-5503218.30	-5503218.14	-5503217.95	0.0088	0.0070
Jupiter	-19773-07-25 18:00 J	-5500459.00	-5500458.75	-5500458.50	0.0499	0.0137
Uranus	-19771-08-10 13:55 J	-5499712.92	-5499712.92	-5499712.88	0.0134	0.0134
Uranus	-19769-07-10 21:50 J	-5499012.85	-5499012.59	-5499012.30	0.0133	0.0051
Saturn	-19768-06-12 14:09 J	-5498676.09	-5498675.91	-5498675.73	0.0272	0.0222
Saturn	-19752-05-13 11:45 J	-5492862.23	-5492862.01	-5492861.77	0.0290	0.0162
Jupiter	-19737-04-28 09:50 J	-5487398.21	-5487398.09	-5487397.94	0.0500	0.0425
Pluto	-19733-04-14 15:21 J	-5485951.11	-5485950.86	-5485950.56	0.0078	0.0036
Uranus	-19727-11-22 17:16 J	-5483537.98	-5483537.78	-5483537.56	0.0145	0.0108
Jupiter	-19708-06-14 23:45 J	-5476758.76	-5476758.51	-5476758.25	0.0528	0.0258
Neptune	-19702-01-13 06:14 J	-5474720.36	-5474720.24	-5474720.07	0.0089	0.0081

Neptune	-19701-12-09 14:09 J	-5474024.25	-5474023.91	-5474023.57	0.0089	0.0003
Neptune	-19699-11-05 21:07 J	-5473327.79	-5473327.62	-5473327.41	0.0089	0.0074
Jupiter	-19690-04-13 18:28 J	-5470246.88	-5470246.73	-5470246.56	0.0497	0.0386
Uranus	-19686-04-05 04:48 J	-5468794.54	-5468794.30	-5468794.03	0.0134	0.0067
Uranus	-19684-03-05 13:55 J	-5468094.05	-5468093.92	-5468093.78	0.0133	0.0118
Jupiter	-19672-03-23 22:19 J	-5463692.84	-5463692.57	-5463692.30	0.0527	0.0216
Saturn	-19664-10-08 11:16 J	-5460572.12	-5460572.03	-5460571.92	0.0290	0.0269
Jupiter	-19654-01-15 09:36 J	-5457186.35	-5457186.10	-5457185.85	0.0498	0.0104
Uranus	-19642-07-20 00:14 J	-5452617.80	-5452617.49	-5452617.17	0.0145	0.0014
Saturn	-19621-02-11 12:14 J	-5445106.19	-5445105.99	-5445105.76	0.0274	0.0199
Neptune	-19619-09-26 03:07 J	-5444148.63	-5444148.37	-5444148.07	0.0088	0.0026
Jupiter	-19619-10-18 21:07 J	-5444125.86	-5444125.62	-5444125.38	0.0499	0.0174
Neptune	-19617-08-19 19:40 J	-5443454.94	-5443454.68	-5443454.41	0.0088	0.0037
Saturn	-19605-01-15 11:16 J	-5439289.18	-5439289.03	-5439288.87	0.0287	0.0236
Uranus	-19602-11-28 21:50 J	-5437875.89	-5437875.59	-5437875.29	0.0134	0.0001
Jupiter	-19583-07-22 18:14 J	-5431064.82	-5431064.74	-5431064.65	0.0500	0.0470
Uranus	-19557-03-15 02:38 J	-5421697.64	-5421697.39	-5421697.11	0.0145	0.0078
Jupiter	-19554-09-08 11:31 J	-5420425.30	-5420425.02	-5420424.74	0.0528	0.0183
Neptune	-19537-07-22 21:36 J	-5414262.89	-5414262.60	-5414262.30	0.0089	0.0044
Jupiter	-19536-07-06 23:45 J	-5413913.69	-5413913.51	-5413913.32	0.0497	0.0343
Neptune	-19535-06-19 04:48 J	-5413566.61	-5413566.30	-5413565.98	0.0089	0.0034
Saturn	-19533-07-08 18:00 J	-5412816.03	-5412815.75	-5412815.45	0.0274	0.0091
Uranus	-19519-08-23 08:09 J	-5407657.31	-5407657.16	-5407657.01	0.0134	0.0114
Jupiter	-19518-06-16 10:33 J	-5407360.31	-5407360.06	-5407359.80	0.0527	0.0260
Saturn	-19517-06-11 10:48 J	-5406999.29	-5406999.05	-5406998.80	0.0288	0.0139
Uranus	-19517-07-23 15:21 J	-5406957.11	-5406956.86	-5406956.60	0.0133	0.0069
Jupiter	-19500-04-09 09:50 J	-5400853.34	-5400853.09	-5400852.83	0.0498	0.0068
Uranus	-19475-12-04 18:00 J	-5391482.98	-5391482.75	-5391482.49	0.0145	0.0091
Jupiter	-19464-01-11 07:55 J	-5387792.39	-5387792.17	-5387791.94	0.0499	0.0228
Neptune	-19455-05-11 11:31 J	-5384385.21	-5384385.02	-5384384.78	0.0088	0.0059

Neptune	-19453-04-04 04:04 J	-5383691.62	-5383691.33	-5383691.03	0.0088	0.0004
Neptune	-19451-02-26 20:23 J	-5382997.82	-5382997.65	-5382997.45	0.0088	0.0067
Saturn	-19445-12-03 08:38 J	-5380526.45	-5380526.14	-5380525.82	0.0273	0.0005
Uranus	-19434-04-18 00:43 J	-5376738.73	-5376738.47	-5376738.18	0.0134	0.0048
Saturn	-19429-11-05 18:28 J	-5374710.00	-5374709.73	-5374709.45	0.0288	0.0066
Jupiter	-19400-12-01 04:33 J	-5364092.60	-5364092.31	-5364092.02	0.0528	0.0129
Uranus	-19390-07-31 12:14 J	-5360563.30	-5360562.99	-5360562.66	0.0145	0.0006
Jupiter	-19382-09-30 10:04 J	-5357580.28	-5357580.08	-5357579.87	0.0497	0.0290
Neptune	-19373-03-05 02:38 J	-5354501.48	-5354501.39	-5354501.27	0.0089	0.0085
Neptune	-19371-01-30 10:48 J	-5353805.38	-5353805.05	-5353804.71	0.0089	0.0007
Neptune	-19370-12-27 17:16 J	-5353108.96	-5353108.78	-5353108.55	0.0089	0.0071
Jupiter	-19364-09-08 22:19 J	-5351026.79	-5351026.57	-5351026.34	0.0527	0.0341
Saturn	-19356-04-29 19:55 J	-5348236.97	-5348236.67	-5348236.37	0.0273	0.0075
Uranus	-19350-12-11 17:02 J	-5345820.08	-5345819.79	-5345819.49	0.0134	0.0019
Jupiter	-19346-07-04 09:21 J	-5344519.37	-5344519.11	-5344518.85	0.0498	0.0006
Saturn	-19340-04-01 14:23 J	-5342421.17	-5342420.90	-5342420.62	0.0288	0.0012
Pluto	-19326-07-29 21:07 J	-5337188.92	-5337188.62	-5337188.32	0.0066	0.0026
Jupiter	-19310-04-07 04:48 J	-5331458.50	-5331458.30	-5331458.09	0.0499	0.0300
Uranus	-19305-03-26 12:57 J	-5329643.20	-5329642.96	-5329642.68	0.0145	0.0085
Neptune	-19290-11-18 11:16 J	-5323928.29	-5323928.03	-5323927.74	0.0088	0.0030
Neptune	-19288-10-12 03:21 J	-5323234.62	-5323234.36	-5323234.08	0.0088	0.0033
Jupiter	-19281-05-18 12:28 J	-5320824.07	-5320823.98	-5320823.88	0.0529	0.0498
Saturn	-19268-09-23 05:45 J	-5315948.53	-5315948.26	-5315947.98	0.0273	0.0122
Uranus	-19267-09-05 01:26 J	-5315601.62	-5315601.44	-5315601.22	0.0134	0.0099
Uranus	-19265-08-05 06:43 J	-5314901.43	-5314901.22	-5314900.97	0.0133	0.0086
Jupiter	-19263-03-22 21:50 J	-5314306.60	-5314306.59	-5314306.55	0.0496	0.0494
Saturn	-19252-08-25 08:23 J	-5310133.42	-5310133.15	-5310132.87	0.0288	0.0003
Jupiter	-19245-02-25 16:33 J	-5307758.10	-5307757.81	-5307757.51	0.0528	0.0014
Pluto	-19239-12-14 15:36 J	-5305274.13	-5305273.85	-5305273.53	0.0078	0.0017
Jupiter	-19228-12-24 22:19 J	-5301245.80	-5301245.57	-5301245.33	0.0498	0.0202

Uranus	-19223-12-16 06:28 J	-5299428.48	-5299428.23	-5299427.95	0.0145	0.0082
Jupiter	-19210-12-04 15:07 J	-5294692.00	-5294691.87	-5294691.72	0.0527	0.0460
Neptune	-19208-09-12 13:40 J	-5294044.18	-5294043.93	-5294043.62	0.0089	0.0049
Neptune	-19206-08-09 22:04 J	-5293347.89	-5293347.58	-5293347.25	0.0089	0.0029
Jupiter	-19192-09-27 20:38 J	-5288184.89	-5288184.64	-5288184.39	0.0498	0.0096
Uranus	-19182-04-30 18:00 J	-5284683.04	-5284682.75	-5284682.46	0.0134	0.0030
Saturn	-19179-02-16 04:19 J	-5283660.57	-5283660.32	-5283660.05	0.0274	0.0152
Saturn	-19163-01-18 00:57 J	-5277845.74	-5277845.46	-5277845.18	0.0288	0.0011
Jupiter	-19156-07-01 22:04 J	-5275123.73	-5275123.58	-5275123.42	0.0499	0.0395
Uranus	-19138-08-12 20:38 J	-5268507.96	-5268507.64	-5268507.32	0.0145	0.0016
Jupiter	-19127-08-13 21:50 J	-5264488.80	-5264488.59	-5264488.37	0.0528	0.0355
Neptune	-19126-07-03 18:28 J	-5264164.93	-5264164.73	-5264164.53	0.0088	0.0064
Neptune	-19124-05-27 09:36 J	-5263471.39	-5263471.10	-5263470.80	0.0088	0.0001
Neptune	-19122-04-21 00:43 J	-5262777.66	-5262777.47	-5262777.24	0.0088	0.0062
Jupiter	-19109-06-16 17:16 J	-5257971.93	-5257971.78	-5257971.63	0.0497	0.0402
Uranus	-19098-12-24 13:11 J	-5253764.23	-5253763.95	-5253763.66	0.0134	0.0039
Jupiter	-19091-05-22 20:52 J	-5251422.92	-5251422.63	-5251422.34	0.0528	0.0122
Saturn	-19091-07-11 16:04 J	-5251373.07	-5251372.83	-5251372.58	0.0273	0.0172
Saturn	-19075-06-12 04:19 J	-5245558.60	-5245558.32	-5245558.04	0.0287	0.0002
Jupiter	-19073-03-20 15:36 J	-5244911.10	-5244910.85	-5244910.59	0.0498	0.0104
Uranus	-19053-04-08 07:11 J	-5237587.39	-5237587.20	-5237586.98	0.0145	0.0112
Neptune	-19042-03-22 22:48 J	-5233586.88	-5233586.55	-5233586.21	0.0089	0.0013
Neptune	-19040-02-16 06:57 J	-5232890.44	-5232890.21	-5232889.97	0.0089	0.0065
Jupiter	-19038-12-23 15:36 J	-5231850.09	-5231849.85	-5231849.61	0.0499	0.0190
Uranus	-19015-09-18 04:19 J	-5223545.55	-5223545.32	-5223545.06	0.0134	0.0074
Uranus	-19013-08-18 09:50 J	-5222845.24	-5222845.09	-5222844.90	0.0133	0.0108
Saturn	-19003-12-04 03:21 J	-5219085.58	-5219085.36	-5219085.13	0.0275	0.0191
Jupiter	-19002-09-26 14:38 J	-5218788.95	-5218788.89	-5218788.83	0.0500	0.0486

19TH MILLENNIUM BCE

This is a list of transits of Mars in the 19th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Saturn	-18987-11-05 03:36 J		-5213270.62	-5213270.35	-5213270.07	0.0287	0.0025	
Jupiter	-18973-11-07 23:45 J		-5208153.77	-5208153.51	-5208153.24	0.0528	0.0227	
Uranus	-18971-12-29 06:00 J		-5207372.55	-5207372.25	-5207371.95	0.0145	0.0051	
Neptune	-18960-01-09 15:07 J		-5203708.13	-5203707.87	-5203707.60	0.0088	0.0036	
Neptune	-18959-12-04 06:57 J		-5203014.48	-5203014.21	-5203013.92	0.0088	0.0027	
Jupiter	-18955-09-11 06:57 J		-5201637.40	-5201637.21	-5201637.00	0.0497	0.0313	
Jupiter	-18937-08-17 04:04 J		-5195087.58	-5195087.33	-5195087.07	0.0526	0.0253	
Uranus	-18930-05-14 00:43 J		-5192626.77	-5192626.47	-5192626.18	0.0134	0.0005	
Jupiter	-18919-06-15 02:09 J		-5188576.67	-5188576.41	-5188576.15	0.0498	0.0026	
Saturn	-18914-04-29 06:28 J		-5186797.38	-5186797.23	-5186797.06	0.0274	0.0234	
Saturn	-18898-03-31 07:40 J		-5180982.45	-5180982.18	-5180981.90	0.0286	0.0055	
Uranus	-18886-08-25 07:26 J		-5176452.49	-5176452.19	-5176451.87	0.0145	0.0038	
Jupiter	-18883-03-18 18:28 J		-5175515.94	-5175515.73	-5175515.51	0.0500	0.0260	
Neptune	-18879-11-02 22:19 J		-5173825.82	-5173825.57	-5173825.29	0.0089	0.0057	
Neptune	-18877-09-29 06:43 J		-5173129.53	-5173129.22	-5173128.87	0.0089	0.0023	
Uranus	-18847-02-05 16:19 J		-5162407.94	-5162407.82	-5162407.67	0.0134	0.0118	
Uranus	-18845-01-06 20:52 J		-5161707.88	-5161707.63	-5161707.35	0.0133	0.0064	
Jupiter	-18818-02-02 16:48 J		-5151819.09	-5151818.80	-5151818.51	0.0527	0.0115	
Saturn	-18810-08-25 16:48 J		-5148693.03	-5148692.80	-5148692.55	0.0286	0.0138	
Uranus	-18803-05-15 18:28 J		-5146237.84	-5146237.73	-5146237.56	0.0144	0.0131	

Uranus	-18801-04-20 09:07 J	-5145532.24	-5145532.12	-5145531.94	0.0145	0.0128
Jupiter	-18801-12-05 02:38 J	-5145303.61	-5145303.39	-5145303.17	0.0498	0.0255
Neptune	-18797-08-24 19:40 J	-5143944.84	-5143944.68	-5143944.51	0.0088	0.0071
Neptune	-18795-07-19 11:31 J	-5143251.30	-5143251.02	-5143250.72	0.0088	0.0008
Neptune	-18793-06-12 02:52 J	-5142557.57	-5142557.38	-5142557.12	0.0088	0.0056
Jupiter	-18783-11-11 00:00 J	-5138753.72	-5138753.50	-5138753.26	0.0527	0.0337
Saturn	-18768-12-26 12:57 J	-5133229.10	-5133228.96	-5133228.81	0.0278	0.0246
Jupiter	-18765-09-07 13:26 J	-5132243.20	-5132242.94	-5132242.69	0.0499	0.0021
Uranus	-18763-10-01 09:21 J	-5131489.38	-5131489.11	-5131488.83	0.0134	0.0051
Uranus	-18761-08-31 13:11 J	-5130788.99	-5130788.95	-5130788.87	0.0133	0.0131
Pluto	-18744-08-12 16:04 J	-5124599.01	-5124598.83	-5124598.61	0.0078	0.0059
Jupiter	-18729-06-11 08:52 J	-5119182.32	-5119182.13	-5119181.92	0.0499	0.0314
Saturn	-18721-01-20 12:00 J	-5116403.16	-5116403.00	-5116402.83	0.0287	0.0231
Uranus	-18718-01-09 22:04 J	-5115317.88	-5115317.58	-5115317.27	0.0145	0.0041
Neptune	-18713-05-12 04:19 J	-5113368.64	-5113368.32	-5113367.98	0.0089	0.0022
Neptune	-18711-04-08 12:43 J	-5112672.21	-5112671.97	-5112671.69	0.0089	0.0057
Jupiter	-18700-07-20 08:23 J	-5108551.22	-5108551.15	-5108551.07	0.0528	0.0509
Jupiter	-18682-05-27 18:28 J	-5102030.76	-5102030.73	-5102030.69	0.0497	0.0491
Saturn	-18679-05-23 14:23 J	-5100939.16	-5100938.90	-5100938.62	0.0278	0.0141
Uranus	-18678-05-27 00:57 J	-5100570.75	-5100570.46	-5100570.17	0.0134	0.0015
Jupiter	-18664-04-27 11:02 J	-5095486.34	-5095486.04	-5095485.75	0.0528	0.0064
Saturn	-18663-04-29 03:21 J	-5095119.48	-5095119.36	-5095119.23	0.0284	0.0251
Jupiter	-18646-02-28 02:23 J	-5088970.62	-5088970.40	-5088970.17	0.0498	0.0221
Uranus	-18634-09-06 10:33 J	-5084397.35	-5084397.06	-5084396.76	0.0145	0.0055
Neptune	-18631-03-03 16:33 J	-5083488.06	-5083487.81	-5083487.55	0.0088	0.0043
Neptune	-18629-01-26 07:40 J	-5082794.44	-5082794.18	-5082793.88	0.0088	0.0021
Jupiter	-18628-02-02 22:48 J	-5082420.74	-5082420.55	-5082420.35	0.0526	0.0393
Neptune	-18628-12-20 00:28 J	-5082100.54	-5082100.48	-5082100.38	0.0088	0.0084
Jupiter	-18611-12-01 22:19 J	-5075909.83	-5075909.57	-5075909.32	0.0498	0.0069
Uranus	-18595-02-18 15:07 J	-5070352.06	-5070351.87	-5070351.66	0.0134	0.0099

Uranus	-18593-01-19 18:57 J	-5069651.94	-5069651.71	-5069651.48	0.0134	0.0083
Saturn	-18591-10-18 10:48 J	-5068649.36	-5068649.05	-5068648.73	0.0277	0.0043
Pluto	-18583-07-06 04:19 J	-5065831.64	-5065831.32	-5065830.98	0.0066	0.0004
Jupiter	-18575-09-04 10:48 J	-5062849.22	-5062849.05	-5062848.86	0.0500	0.0353
Saturn	-18575-09-23 23:45 J	-5062829.73	-5062829.51	-5062829.28	0.0284	0.0158
Uranus	-18551-05-28 09:07 J	-5054182.32	-5054182.12	-5054181.88	0.0144	0.0106
Neptune	-18550-12-24 01:40 J	-5053607.64	-5053607.43	-5053607.19	0.0089	0.0067
Neptune	-18548-11-19 10:33 J	-5052911.39	-5052911.06	-5052910.72	0.0089	0.0013
Jupiter	-18546-10-12 17:31 J	-5052218.90	-5052218.77	-5052218.63	0.0529	0.0469
Jupiter	-18528-08-19 20:52 J	-5045697.73	-5045697.63	-5045697.52	0.0497	0.0451
Uranus	-18511-10-14 09:21 J	-5039433.39	-5039433.11	-5039432.81	0.0134	0.0030
Jupiter	-18510-07-21 11:31 J	-5039153.32	-5039153.02	-5039152.72	0.0527	0.0002
Saturn	-18502-03-15 12:43 J	-5036359.28	-5036358.97	-5036358.66	0.0277	0.0059
Pluto	-18496-11-21 23:31 J	-5033915.70	-5033915.52	-5033915.28	0.0078	0.0056
Jupiter	-18492-05-23 16:48 J	-5032637.04	-5032636.80	-5032636.56	0.0498	0.0163
Saturn	-18486-02-18 10:48 J	-5030540.31	-5030540.05	-5030539.79	0.0285	0.0081
Jupiter	-18474-04-29 06:00 J	-5026087.39	-5026087.25	-5026087.11	0.0527	0.0465
Neptune	-18468-10-16 22:48 J	-5023724.65	-5023724.55	-5023724.39	0.0088	0.0079
Uranus	-18466-01-23 00:57 J	-5023261.78	-5023261.46	-5023261.14	0.0145	0.0008
Neptune	-18466-09-10 14:23 J	-5023031.18	-5023030.90	-5023030.60	0.0088	0.0015
Neptune	-18464-08-04 05:02 J	-5022337.52	-5022337.29	-5022337.04	0.0088	0.0049
Jupiter	-18456-02-24 07:26 J	-5019576.44	-5019576.19	-5019575.94	0.0499	0.0123
Uranus	-18426-06-09 05:45 J	-5008514.54	-5008514.26	-5008513.97	0.0134	0.0039
Jupiter	-18421-11-28 06:00 J	-5006515.38	-5006515.25	-5006515.10	0.0499	0.0417
Saturn	-18414-08-09 15:36 J	-5004070.11	-5004069.85	-5004069.56	0.0276	0.0132
Saturn	-18398-07-14 21:36 J	-4998251.87	-4998251.60	-4998251.32	0.0285	0.0045
Jupiter	-18391-01-05 13:11 J	-4995885.15	-4995884.95	-4995884.74	0.0528	0.0377
Neptune	-18384-07-02 07:40 J	-4993150.48	-4993150.18	-4993149.84	0.0089	0.0033
Neptune	-18382-05-29 16:19 J	-4992454.08	-4992453.82	-4992453.51	0.0089	0.0048
Uranus	-18382-09-19 09:07 J	-4992341.37	-4992341.12	-4992340.85	0.0145	0.0085

Jupiter	-18374-11-13 23:16 J	-4989363.69	-4989363.53	-4989363.36	0.0497	0.0379
Jupiter	-18356-10-14 12:43 J	-4982819.27	-4982818.97	-4982818.68	0.0528	0.0098
Uranus	-18343-03-03 20:23 J	-4978295.88	-4978295.65	-4978295.39	0.0134	0.0075
Uranus	-18341-02-02 00:00 J	-4977595.66	-4977595.50	-4977595.31	0.0134	0.0107
Jupiter	-18338-08-17 18:00 J	-4976303.00	-4976302.75	-4976302.50	0.0498	0.0088
Pluto	-18335-10-14 13:11 J	-4975149.10	-4975148.95	-4975148.76	0.0066	0.0056
Saturn	-18325-01-03 07:40 J	-4971781.41	-4971781.18	-4971780.95	0.0276	0.0187
Saturn	-18310-12-08 00:43 J	-4965963.75	-4965963.47	-4965963.20	0.0285	0.0017
Neptune	-18302-04-25 21:21 J	-4963267.83	-4963267.61	-4963267.35	0.0088	0.0050
Jupiter	-18302-05-21 17:02 J	-4963242.02	-4963241.79	-4963241.55	0.0499	0.0206
Neptune	-18300-03-19 13:11 J	-4962574.24	-4962573.95	-4962573.66	0.0088	0.0014
Uranus	-18299-06-09 21:50 J	-4962126.86	-4962126.59	-4962126.32	0.0144	0.0081
Neptune	-18298-02-11 03:21 J	-4961880.48	-4961880.36	-4961880.22	0.0088	0.0078
Uranus	-18259-10-27 14:09 J	-4947377.20	-4947376.91	-4947376.61	0.0134	0.0008
Jupiter	-18237-04-01 09:36 J	-4939550.36	-4939550.10	-4939549.84	0.0528	0.0255
Saturn	-18237-05-28 03:21 J	-4939493.54	-4939493.36	-4939493.16	0.0276	0.0219
Saturn	-18221-05-01 08:52 J	-4933676.41	-4933676.13	-4933675.86	0.0284	0.0023
Neptune	-18220-02-12 06:14 J	-4933389.39	-4933389.24	-4933389.05	0.0089	0.0077
Jupiter	-18219-02-07 12:43 J	-4933029.17	-4933028.97	-4933028.76	0.0498	0.0289
Neptune	-18218-01-09 14:52 J	-4932693.22	-4932692.88	-4932692.54	0.0089	0.0003
Neptune	-18217-12-05 22:48 J	-4931996.65	-4931996.55	-4931996.38	0.0089	0.0083
Uranus	-18214-02-03 22:04 J	-4931206.90	-4931206.58	-4931206.25	0.0144	0.0008
Jupiter	-18201-01-09 14:23 J	-4926484.16	-4926483.90	-4926483.63	0.0526	0.0225
Jupiter	-18184-11-11 12:28 J	-4919968.24	-4919967.98	-4919967.73	0.0499	0.0007
Uranus	-18176-07-21 23:02 J	-4917158.63	-4917158.54	-4917158.41	0.0135	0.0125
Uranus	-18174-06-22 01:26 J	-4916458.69	-4916458.44	-4916458.16	0.0134	0.0057
Saturn	-18149-10-20 13:26 J	-4907206.09	-4907205.94	-4907205.77	0.0277	0.0238
Jupiter	-18148-08-15 10:19 J	-4906907.28	-4906907.07	-4906906.87	0.0500	0.0296
Neptune	-18139-12-09 04:48 J	-4903504.34	-4903504.30	-4903504.18	0.0088	0.0085
Neptune	-18137-11-01 21:21 J	-4902810.88	-4902810.61	-4902810.31	0.0088	0.0021

Neptune	-18135-09-26 12:57 J	-4902117.20	-4902116.96	-4902116.69	0.0088	0.0044
Saturn	-18133-09-24 03:07 J	-4901388.65	-4901388.37	-4901388.10	0.0284	0.0006
Uranus	-18130-10-01 03:21 J	-4900286.58	-4900286.36	-4900286.10	0.0145	0.0098
Jupiter	-18101-07-31 08:52 J	-4889755.16	-4889755.13	-4889755.08	0.0497	0.0490
Uranus	-18091-03-16 12:00 J	-4886240.25	-4886240.00	-4886239.72	0.0135	0.0060
Uranus	-18089-02-14 15:21 J	-4885539.96	-4885539.86	-4885539.72	0.0134	0.0122
Jupiter	-18083-06-28 00:00 J	-4883214.79	-4883214.50	-4883214.21	0.0527	0.0113
Jupiter	-18065-05-04 05:16 J	-4876694.51	-4876694.28	-4876694.04	0.0498	0.0205
Saturn	-18060-03-15 02:09 J	-4874918.51	-4874918.41	-4874918.30	0.0278	0.0261
Neptune	-18055-08-22 15:36 J	-4872932.12	-4872931.85	-4872931.52	0.0089	0.0042
Neptune	-18053-07-19 00:14 J	-4872235.79	-4872235.49	-4872235.17	0.0089	0.0039
Jupiter	-18047-04-05 22:19 J	-4870148.77	-4870148.57	-4870148.34	0.0527	0.0360
Uranus	-18047-06-21 23:16 J	-4870071.82	-4870071.53	-4870071.23	0.0144	0.0062
Saturn	-18044-02-16 19:11 J	-4869100.97	-4869100.70	-4869100.42	0.0283	0.0004
Jupiter	-18029-02-05 23:16 J	-4863633.78	-4863633.53	-4863633.28	0.0499	0.0082
Uranus	-18007-11-09 00:57 J	-4855321.75	-4855321.46	-4855321.16	0.0135	0.0006

18TH MILLENNIUM BCE

This is a list of transits of Mars in the 18th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-17994-11-09 23:16 J	-4850572.69	-4850572.53	-4850572.36	0.0500	0.0380		
Neptune	-17973-06-17 06:28 J	-4843047.44	-4843047.23	-4843046.98	0.0088	0.0055		
Neptune	-17971-05-11 22:04 J	-4842353.87	-4842353.58	-4842353.28	0.0088	0.0010		

Neptune	-17969-04-04 13:11 J	-4841660.08	-4841659.95	-4841659.77	0.0088	0.0074
Jupiter	-17965-12-13 23:31 J	-4839945.65	-4839945.52	-4839945.38	0.0528	0.0466
Uranus	-17962-02-16 14:09 J	-4839151.22	-4839150.91	-4839150.59	0.0144	0.0033
Saturn	-17956-07-13 11:16 J	-4836812.30	-4836812.03	-4836811.76	0.0283	0.0057
Jupiter	-17947-10-25 14:38 J	-4833421.02	-4833420.89	-4833420.75	0.0498	0.0421
Jupiter	-17929-09-21 14:09 J	-4826880.21	-4826879.91	-4826879.61	0.0527	0.0006
Uranus	-17924-08-03 14:23 J	-4825103.07	-4825102.90	-4825102.72	0.0135	0.0108
Uranus	-17922-07-04 17:31 J	-4824403.01	-4824402.77	-4824402.52	0.0134	0.0074
Jupiter	-17911-07-29 03:07 J	-4820360.61	-4820360.37	-4820360.12	0.0499	0.0145
Jupiter	-17893-06-30 06:00 J	-4813814.40	-4813814.25	-4813814.10	0.0526	0.0453
Neptune	-17891-04-04 17:31 J	-4813170.86	-4813170.77	-4813170.65	0.0089	0.0085
Neptune	-17889-03-01 02:38 J	-4812474.73	-4812474.39	-4812474.05	0.0089	0.0005
Neptune	-17887-01-26 10:19 J	-4811778.21	-4811778.07	-4811777.85	0.0089	0.0076
Uranus	-17880-11-07 07:55 J	-4808936.30	-4808936.17	-4808935.98	0.0144	0.0126
Uranus	-17878-10-14 01:26 J	-4808230.57	-4808230.44	-4808230.27	0.0144	0.0128
Jupiter	-17875-05-01 23:45 J	-4807299.75	-4807299.51	-4807299.26	0.0499	0.0149
Saturn	-17868-12-07 14:09 J	-4804523.16	-4804522.91	-4804522.66	0.0283	0.0122
Jupiter	-17839-02-02 14:09 J	-4794239.03	-4794238.91	-4794238.78	0.0500	0.0433
Uranus	-17839-03-29 04:33 J	-4794184.58	-4794184.31	-4794184.03	0.0135	0.0042
Saturn	-17825-04-05 15:50 J	-4789063.04	-4789062.84	-4789062.63	0.0281	0.0214
Jupiter	-17810-03-09 09:07 J	-4783612.31	-4783612.12	-4783611.92	0.0528	0.0395
Neptune	-17808-12-25 09:36 J	-4782590.37	-4782590.10	-4782589.81	0.0088	0.0024
Neptune	-17806-11-19 00:28 J	-4781896.71	-4781896.48	-4781896.19	0.0088	0.0041
Uranus	-17795-07-04 14:52 J	-4778016.18	-4778015.88	-4778015.55	0.0144	0.0036
Jupiter	-17792-01-17 21:07 J	-4777087.78	-4777087.62	-4777087.45	0.0498	0.0380
Saturn	-17779-05-04 08:52 J	-4772233.29	-4772233.13	-4772232.94	0.0283	0.0219
Jupiter	-17775-12-16 00:43 J	-4770546.76	-4770546.47	-4770546.17	0.0527	0.0068
Jupiter	-17757-10-21 16:33 J	-4764027.06	-4764026.81	-4764026.56	0.0498	0.0091
Uranus	-17755-11-21 20:38 J	-4763265.92	-4763265.64	-4763265.34	0.0134	0.0024
Saturn	-17737-08-31 09:21 J	-4756773.39	-4756773.11	-4756772.81	0.0281	0.0116

Neptune -17726-10-13 06:57 J -4752713.47 -4752713.21 -4752712.90 0.0089 0.0048
 Neptune -17724-09-08 15:36 J -4752017.14 -4752016.85 -4752016.50 0.0089 0.0034
 Jupiter -17721-07-25 02:52 J -4750966.61 -4750966.38 -4750966.14 0.0499 0.0188
 Saturn -17721-08-11 12:14 J -4750949.10 -4750948.99 -4750948.85 0.0280 0.0248
 Uranus -17710-02-28 15:07 J -4747096.15 -4747095.87 -4747095.54 0.0144 0.0053
 Jupiter -17685-04-27 20:38 J -4737905.71 -4737905.64 -4737905.56 0.0500 0.0477
 Uranus -17672-08-16 04:19 J -4733047.51 -4733047.32 -4733047.09 0.0135 0.0094
 Uranus -17670-07-17 06:28 J -4732347.44 -4732347.23 -4732346.99 0.0134 0.0088
 Jupiter -17656-06-01 07:55 J -4727279.40 -4727279.17 -4727278.94 0.0528 0.0334
 Saturn -17648-01-26 21:21 J -4724482.92 -4724482.61 -4724482.29 0.0280 0.0005
 Neptune -17644-08-09 21:21 J -4722826.80 -4722826.61 -4722826.36 0.0088 0.0058
 Neptune -17642-07-04 13:26 J -4722133.23 -4722132.94 -4722132.65 0.0088 0.0007
 Neptune -17640-05-28 03:36 J -4721439.49 -4721439.35 -4721439.16 0.0088 0.0072
 Jupiter -17638-04-13 06:43 J -4720754.40 -4720754.22 -4720754.02 0.0498 0.0330
 Saturn -17632-01-06 10:19 J -4718659.30 -4718659.07 -4718658.84 0.0281 0.0154
 Uranus -17628-11-18 19:11 J -4716881.88 -4716881.70 -4716881.50 0.0143 0.0116
 Uranus -17626-10-25 12:00 J -4716176.10 -4716176.00 -4716175.89 0.0144 0.0136
 Jupiter -17620-03-10 01:26 J -4714213.72 -4714213.44 -4714213.15 0.0527 0.0130
 Jupiter -17602-01-14 18:28 J -4707693.98 -4707693.73 -4707693.47 0.0498 0.0049
 Uranus -17587-04-10 13:40 J -4702129.21 -4702128.93 -4702128.64 0.0135 0.0031
 Jupiter -17567-10-18 13:55 J -4694633.14 -4694632.92 -4694632.70 0.0499 0.0240
 Neptune -17560-04-21 22:48 J -4692255.88 -4692255.55 -4692255.21 0.0089 0.0009
 Saturn -17560-06-23 17:31 J -4692193.06 -4692192.77 -4692192.47 0.0279 0.0104
 Neptune -17558-03-19 07:11 J -4691559.38 -4691559.20 -4691558.97 0.0089 0.0072
 Saturn -17544-06-02 14:52 J -4686370.14 -4686369.88 -4686369.62 0.0281 0.0089
 Uranus -17543-07-15 22:19 J -4685961.88 -4685961.57 -4685961.24 0.0144 0.0028
 Uranus -17503-12-03 20:23 J -4671210.93 -4671210.65 -4671210.36 0.0135 0.0031
 Jupiter -17502-08-25 16:48 J -4670946.05 -4670945.80 -4670945.53 0.0528 0.0261
 Jupiter -17484-07-06 20:52 J -4664420.85 -4664420.63 -4664420.42 0.0498 0.0271
 Neptune -17478-02-17 02:23 J -4662369.67 -4662369.40 -4662369.11 0.0088 0.0025

Neptune	-17476-01-10 18:14 J	-4661675.98	-4661675.74	-4661675.46	0.0088	0.0040
Saturn	-17472-11-18 02:38 J	-4659903.62	-4659903.39	-4659903.15	0.0280	0.0185
Jupiter	-17466-06-03 10:04 J	-4657880.35	-4657880.08	-4657879.80	0.0526	0.0204
Uranus	-17458-03-12 05:16 J	-4655041.55	-4655041.28	-4655040.97	0.0144	0.0063
Saturn	-17456-10-27 07:55 J	-4654081.44	-4654081.17	-4654080.90	0.0281	0.0040
Jupiter	-17448-04-09 17:31 J	-4651360.02	-4651359.77	-4651359.51	0.0499	0.0020
Uranus	-17420-08-28 04:33 J	-4640992.53	-4640992.31	-4640992.08	0.0135	0.0087
Uranus	-17418-07-29 06:43 J	-4640292.41	-4640292.22	-4640292.00	0.0135	0.0095
Jupiter	-17412-01-11 14:52 J	-4638299.08	-4638298.88	-4638298.68	0.0500	0.0312
Neptune	-17397-12-03 07:11 J	-4632494.45	-4632494.20	-4632493.89	0.0089	0.0051
Neptune	-17395-10-30 16:04 J	-4631798.13	-4631797.83	-4631797.49	0.0089	0.0031
Saturn	-17383-04-13 09:36 J	-4627615.26	-4627615.10	-4627614.92	0.0279	0.0233
Uranus	-17376-11-30 20:38 J	-4624826.86	-4624826.64	-4624826.37	0.0143	0.0097
Saturn	-17367-03-22 01:40 J	-4621793.70	-4621793.43	-4621793.16	0.0281	0.0031
Jupiter	-17366-12-28 10:33 J	-4621147.12	-4621147.06	-4621146.99	0.0497	0.0478
Jupiter	-17348-11-19 06:14 J	-4614611.52	-4614611.24	-4614610.95	0.0527	0.0151
Uranus	-17335-04-22 14:38 J	-4610074.17	-4610073.89	-4610073.60	0.0135	0.0023
Jupiter	-17330-10-01 09:07 J	-4608086.35	-4608086.12	-4608085.88	0.0498	0.0190
Neptune	-17315-10-02 16:33 J	-4602606.01	-4602605.81	-4602605.57	0.0088	0.0058
Neptune	-17313-08-26 08:23 J	-4601912.44	-4601912.15	-4601911.86	0.0088	0.0007
Jupiter	-17312-08-28 11:02 J	-4601545.26	-4601545.04	-4601544.80	0.0527	0.0331
Neptune	-17311-07-21 00:28 J	-4601218.63	-4601218.48	-4601218.30	0.0088	0.0072
Saturn	-17295-09-05 23:45 J	-4595327.61	-4595327.51	-4595327.38	0.0281	0.0260
Jupiter	-17294-07-05 06:00 J	-4595025.50	-4595025.25	-4595025.00	0.0500	0.0102
Uranus	-17291-07-28 02:38 J	-4593906.72	-4593906.39	-4593906.07	0.0144	0.0007
Saturn	-17279-08-14 19:11 J	-4589505.98	-4589505.70	-4589505.43	0.0280	0.0017
Jupiter	-17258-04-08 05:16 J	-4581964.42	-4581964.28	-4581964.12	0.0500	0.0401
Uranus	-17251-12-16 03:07 J	-4579155.65	-4579155.37	-4579155.09	0.0135	0.0041
Neptune	-17231-06-13 03:36 J	-4572036.67	-4572036.35	-4572036.00	0.0089	0.0011
Jupiter	-17229-05-07 14:38 J	-4571341.98	-4571341.89	-4571341.77	0.0527	0.0490

Neptune	-17229-05-09 11:31 J	-4571340.18	-4571340.02	-4571339.77	0.0089	0.0072
Jupiter	-17211-03-24 03:50 J	-4564812.49	-4564812.34	-4564812.18	0.0498	0.0393
Saturn	-17206-01-29 07:11 J	-4563040.23	-4563040.20	-4563040.13	0.0281	0.0277
Uranus	-17206-03-24 04:04 J	-4562986.59	-4562986.33	-4562986.05	0.0144	0.0080
Jupiter	-17193-02-14 17:02 J	-4558276.09	-4558275.79	-4558275.50	0.0527	0.0014
Saturn	-17190-01-07 04:19 J	-4557218.59	-4557218.32	-4557218.04	0.0280	0.0019
Jupiter	-17176-12-25 23:31 J	-4551751.77	-4551751.52	-4551751.27	0.0499	0.0107
Uranus	-17168-09-09 10:33 J	-4548937.28	-4548937.06	-4548936.81	0.0135	0.0077
Uranus	-17166-08-10 10:04 J	-4548237.24	-4548237.08	-4548236.87	0.0134	0.0104
Jupiter	-17158-11-23 14:23 J	-4545210.04	-4545209.90	-4545209.74	0.0526	0.0452
Neptune	-17149-04-10 23:31 J	-4542148.79	-4542148.52	-4542148.23	0.0088	0.0025
Neptune	-17147-03-05 14:09 J	-4541455.15	-4541454.91	-4541454.63	0.0088	0.0041
Jupiter	-17140-09-29 00:14 J	-4538690.72	-4538690.49	-4538690.25	0.0499	0.0194
Uranus	-17124-12-12 01:40 J	-4532772.69	-4532772.43	-4532772.17	0.0143	0.0089
Jupiter	-17104-07-02 21:36 J	-4525629.66	-4525629.60	-4525629.54	0.0501	0.0486
Saturn	-17102-06-02 07:11 J	-4524930.48	-4524930.20	-4524929.93	0.0279	0.0014
Uranus	-17083-05-04 17:16 J	-4518019.07	-4518018.78	-4518018.49	0.0135	0.0016
Jupiter	-17075-08-02 18:28 J	-4515006.94	-4515006.73	-4515006.51	0.0528	0.0363
Neptune	-17067-01-24 15:36 J	-4512275.10	-4512274.85	-4512274.54	0.0089	0.0051
Neptune	-17066-12-22 00:00 J	-4511578.79	-4511578.50	-4511578.16	0.0089	0.0032
Jupiter	-17057-06-17 10:33 J	-4508478.25	-4508478.06	-4508477.86	0.0499	0.0322
Jupiter	-17039-05-11 16:19 J	-4501941.12	-4501940.82	-4501940.53	0.0526	0.0106
Uranus	-17039-08-07 20:09 J	-4501852.99	-4501852.66	-4501852.34	0.0143	0.0007
Jupiter	-17021-03-21 09:36 J	-4495417.36	-4495417.10	-4495416.85	0.0499	0.0026
Saturn	-17014-10-26 19:26 J	-4492641.96	-4492641.69	-4492641.42	0.0279	0.0055

17TH MILLENNIUM BCE

This is a list of transits of Mars in the 17th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-16999-12-27 20:38 J		-4487100.91	-4487100.64	-4487100.36	0.0135	0.0044	
Neptune	-16986-11-25 15:36 J		-4482385.06	-4482384.85	-4482384.61	0.0088	0.0057	
Jupiter	-16986-12-24 01:55 J		-4482356.64	-4482356.42	-4482356.20	0.0500	0.0260	
Neptune	-16984-10-19 08:09 J		-4481691.45	-4481691.16	-4481690.86	0.0088	0.0009	
Neptune	-16982-09-12 22:48 J		-4480997.69	-4480997.55	-4480997.38	0.0088	0.0074	
Uranus	-16954-04-03 20:09 J		-4470932.92	-4470932.66	-4470932.37	0.0144	0.0079	
Saturn	-16925-03-22 03:21 J		-4460352.60	-4460352.36	-4460352.12	0.0279	0.0133	
Jupiter	-16921-10-26 23:16 J		-4458672.79	-4458672.53	-4458672.28	0.0527	0.0266	
Uranus	-16916-09-21 00:57 J		-4456882.68	-4456882.46	-4456882.20	0.0135	0.0077	
Uranus	-16914-08-22 01:55 J		-4456182.60	-4456182.42	-4456182.23	0.0135	0.0104	
Jupiter	-16903-09-11 08:23 J		-4452144.37	-4452144.15	-4452143.93	0.0498	0.0257	
Neptune	-16902-08-04 15:07 J		-4451817.20	-4451816.87	-4451816.52	0.0089	0.0009	
Neptune	-16900-06-30 22:48 J		-4451120.72	-4451120.55	-4451120.33	0.0089	0.0073	
Jupiter	-16885-08-04 19:40 J		-4445606.95	-4445606.68	-4445606.40	0.0526	0.0200	
Saturn	-16883-07-14 06:28 J		-4444898.41	-4444898.23	-4444898.01	0.0285	0.0221	
Uranus	-16872-12-23 04:33 J		-4440718.57	-4440718.31	-4440718.03	0.0143	0.0082	
Jupiter	-16867-06-14 19:11 J		-4439083.96	-4439083.70	-4439083.45	0.0499	0.0023	
Saturn	-16837-08-16 22:19 J		-4428062.72	-4428062.57	-4428062.40	0.0280	0.0224	
Jupiter	-16831-03-18 12:57 J		-4426023.16	-4426022.96	-4426022.76	0.0500	0.0312	
Uranus	-16831-05-16 07:40 J		-4425964.47	-4425964.18	-4425963.89	0.0135	0.0014	
Neptune	-16820-06-03 23:16 J		-4421927.80	-4421927.53	-4421927.23	0.0088	0.0024	
Neptune	-16818-04-28 15:50 J		-4421234.10	-4421233.84	-4421233.58	0.0088	0.0042	

Saturn	-16795-12-09 12:14 J	-4412608.27	-4412607.99	-4412607.68	0.0285	0.0108
Uranus	-16787-08-19 10:48 J	-4409798.38	-4409798.05	-4409797.72	0.0143	0.0006
Jupiter	-16784-03-02 22:04 J	-4408871.58	-4408871.58	-4408871.55	0.0498	0.0497
Saturn	-16779-11-25 11:31 J	-4406778.17	-4406778.02	-4406777.85	0.0277	0.0226
Jupiter	-16766-01-20 03:21 J	-4402339.63	-4402339.36	-4402339.08	0.0527	0.0201
Jupiter	-16749-12-04 08:52 J	-4395811.36	-4395811.13	-4395810.90	0.0498	0.0219
Uranus	-16748-02-07 17:02 J	-4395745.83	-4395745.79	-4395745.69	0.0135	0.0132
Uranus	-16746-01-08 17:31 J	-4395046.02	-4395045.77	-4395045.48	0.0135	0.0049
Neptune	-16738-03-18 06:00 J	-4392055.51	-4392055.25	-4392054.94	0.0089	0.0049
Neptune	-16736-02-11 13:40 J	-4391359.22	-4391358.93	-4391358.59	0.0089	0.0034
Jupiter	-16731-10-28 08:52 J	-4389274.39	-4389274.13	-4389273.87	0.0526	0.0249
Jupiter	-16713-09-07 02:23 J	-4382750.65	-4382750.40	-4382750.15	0.0499	0.0068
Saturn	-16706-05-06 18:00 J	-4380318.07	-4380317.75	-4380317.44	0.0284	0.0010
Uranus	-16702-04-15 13:55 J	-4378878.16	-4378877.92	-4378877.67	0.0144	0.0093
Saturn	-16690-04-22 02:52 J	-4374488.61	-4374488.38	-4374488.14	0.0277	0.0145
Jupiter	-16677-06-10 17:31 J	-4369689.94	-4369689.77	-4369689.58	0.0500	0.0357
Uranus	-16664-10-03 02:23 J	-4364827.64	-4364827.40	-4364827.14	0.0135	0.0069
Uranus	-16662-09-03 01:26 J	-4364127.60	-4364127.44	-4364127.26	0.0134	0.0110
Neptune	-16656-01-17 16:04 J	-4362164.05	-4362163.83	-4362163.60	0.0088	0.0055
Neptune	-16655-12-12 08:23 J	-4361470.43	-4361470.15	-4361469.85	0.0088	0.0011
Neptune	-16653-11-05 00:28 J	-4360776.59	-4360776.48	-4360776.31	0.0088	0.0077
Jupiter	-16630-05-27 02:23 J	-4352538.49	-4352538.40	-4352538.29	0.0498	0.0453
Uranus	-16619-01-03 12:28 J	-4348664.24	-4348663.98	-4348663.68	0.0143	0.0074
Saturn	-16618-10-02 00:00 J	-4348027.77	-4348027.50	-4348027.20	0.0284	0.0124
Jupiter	-16612-04-13 22:04 J	-4346006.87	-4346006.58	-4346006.30	0.0527	0.0146
Saturn	-16602-09-16 10:48 J	-4342199.31	-4342199.05	-4342198.78	0.0278	0.0072
Jupiter	-16594-02-27 21:36 J	-4339477.84	-4339477.60	-4339477.35	0.0499	0.0166
Uranus	-16579-05-28 11:02 J	-4333909.33	-4333909.04	-4333908.75	0.0135	0.0007
Jupiter	-16576-01-20 21:50 J	-4332940.82	-4332940.59	-4332940.36	0.0526	0.0328
Neptune	-16575-10-29 22:19 J	-4332293.62	-4332293.57	-4332293.49	0.0089	0.0088

Neptune -16573-09-25 06:00 J -4331597.58 -4331597.25 -4331596.90 0.0089 0.0007
 Neptune -16571-08-22 13:11 J -4330901.10 -4330900.95 -4330900.74 0.0089 0.0076
 Jupiter -16559-12-01 16:19 J -4326417.07 -4326416.82 -4326416.57 0.0500 0.0123
 Uranus -16535-08-30 04:33 J -4317744.63 -4317744.31 -4317743.98 0.0144 0.0007
 Saturn -16529-02-26 07:26 J -4315738.39 -4315738.19 -4315737.96 0.0283 0.0209
 Jupiter -16523-09-04 09:21 J -4313356.24 -4313356.11 -4313355.96 0.0500 0.0413
 Saturn -16513-02-09 22:19 J -4309910.84 -4309910.57 -4309910.30 0.0277 0.0035
 Uranus -16496-02-19 17:45 J -4303690.84 -4303690.76 -4303690.63 0.0135 0.0127
 Uranus -16494-01-20 15:36 J -4302991.10 -4302990.85 -4302990.56 0.0135 0.0053
 Jupiter -16494-09-30 05:16 J -4302738.32 -4302738.28 -4302738.23 0.0527 0.0520
 Neptune -16493-09-02 09:07 J -4302400.12 -4302400.12 -4302400.10 0.0088 0.0088
 Neptune -16491-07-28 01:26 J -4301706.73 -4301706.44 -4301706.16 0.0088 0.0021
 Neptune -16489-06-20 16:33 J -4301013.04 -4301012.81 -4301012.54 0.0088 0.0045
 Jupiter -16476-08-20 05:16 J -4296204.43 -4296204.28 -4296204.11 0.0498 0.0386
 Jupiter -16458-07-09 06:43 J -4289672.52 -4289672.22 -4289671.92 0.0527 0.0043
 Uranus -16450-04-25 22:33 J -4286824.80 -4286824.56 -4286824.29 0.0144 0.0088
 Saturn -16441-07-21 16:04 J -4283449.93 -4283449.83 -4283449.70 0.0284 0.0264
 Jupiter -16440-05-24 01:11 J -4283143.70 -4283143.45 -4283143.20 0.0499 0.0096
 Saturn -16425-07-05 02:09 J -4277622.68 -4277622.41 -4277622.14 0.0277 0.0005
 Jupiter -16422-04-16 22:48 J -4276606.72 -4276606.55 -4276606.36 0.0526 0.0415
 Uranus -16412-10-14 21:21 J -4272772.85 -4272772.61 -4272772.35 0.0135 0.0067
 Uranus -16410-09-14 19:26 J -4272072.83 -4272072.69 -4272072.50 0.0135 0.0112
 Neptune -16409-05-08 21:21 J -4271835.87 -4271835.61 -4271835.29 0.0089 0.0047
 Neptune -16407-04-05 05:02 J -4271139.57 -4271139.29 -4271138.95 0.0089 0.0037
 Jupiter -16404-02-24 23:31 J -4270082.75 -4270082.52 -4270082.28 0.0499 0.0201
 Jupiter -16369-11-29 01:11 J -4257021.46 -4257021.45 -4257021.42 0.0501 0.0499
 Uranus -16367-01-14 00:00 J -4256610.78 -4256610.50 -4256610.22 0.0143 0.0076
 Jupiter -16340-12-25 08:38 J -4246403.33 -4246403.14 -4246402.94 0.0527 0.0393
 Saturn -16337-11-27 14:52 J -4245335.15 -4245334.88 -4245334.61 0.0277 0.0003
 Neptune -16327-03-12 17:02 J -4241942.99 -4241942.79 -4241942.53 0.0088 0.0054

Uranus	-16327-06-09 02:23 J	-4241854.69	-4241854.40	-4241854.11	0.0135	0.0007
Neptune	-16325-02-04 10:04 J	-4241249.36	-4241249.08	-4241248.78	0.0088	0.0013
Neptune	-16324-12-29 01:40 J	-4240555.54	-4240555.43	-4240555.29	0.0088	0.0079
Jupiter	-16322-11-14 18:14 J	-4239869.93	-4239869.74	-4239869.53	0.0499	0.0307
Jupiter	-16304-10-03 07:55 J	-4233337.46	-4233337.17	-4233336.88	0.0526	0.0076
Jupiter	-16286-08-18 19:55 J	-4226808.92	-4226808.67	-4226808.41	0.0499	0.0008
Uranus	-16283-09-10 05:45 J	-4225690.58	-4225690.26	-4225689.93	0.0143	0.0013
Jupiter	-16250-05-22 18:28 J	-4213747.94	-4213747.73	-4213747.52	0.0501	0.0290
Saturn	-16248-04-22 09:07 J	-4213047.40	-4213047.12	-4213046.85	0.0276	0.0015
Neptune	-16246-12-21 12:57 J	-4212074.01	-4212073.96	-4212073.83	0.0089	0.0087
Uranus	-16244-03-03 12:14 J	-4211636.09	-4211635.99	-4211635.84	0.0136	0.0123
Neptune	-16244-11-16 20:38 J	-4211377.98	-4211377.64	-4211377.30	0.0089	0.0004
Uranus	-16242-02-01 11:31 J	-4210936.29	-4210936.02	-4210935.76	0.0135	0.0055
Neptune	-16242-10-14 04:19 J	-4210681.48	-4210681.32	-4210681.15	0.0089	0.0078
Uranus	-16198-05-07 12:57 J	-4194770.18	-4194769.96	-4194769.72	0.0144	0.0101
Jupiter	-16185-03-21 18:57 J	-4190067.97	-4190067.71	-4190067.45	0.0526	0.0260
Jupiter	-16167-02-08 12:00 J	-4183535.22	-4183535.00	-4183534.76	0.0499	0.0215
Neptune	-16164-10-26 09:21 J	-4182179.16	-4182179.11	-4182179.06	0.0088	0.0086
Neptune	-16162-09-20 02:09 J	-4181485.69	-4181485.41	-4181485.11	0.0088	0.0020
Neptune	-16160-08-13 18:43 J	-4180791.94	-4180791.72	-4180791.45	0.0088	0.0047
Saturn	-16160-09-15 05:45 J	-4180759.53	-4180759.26	-4180758.98	0.0276	0.0031
Uranus	-16160-10-26 23:16 J	-4180717.78	-4180717.53	-4180717.26	0.0135	0.0060
Uranus	-16158-09-26 19:40 J	-4180017.80	-4180017.68	-4180017.52	0.0134	0.0118
Jupiter	-16150-12-30 00:14 J	-4177001.76	-4177001.49	-4177001.21	0.0526	0.0217
Jupiter	-16132-11-12 07:26 J	-4170474.45	-4170474.19	-4170473.94	0.0500	0.0075
Uranus	-16115-01-25 14:38 J	-4164556.17	-4164555.89	-4164555.57	0.0143	0.0062
Jupiter	-16096-08-16 06:43 J	-4157413.39	-4157413.22	-4157413.05	0.0501	0.0375
Neptune	-16080-06-30 12:00 J	-4151616.27	-4151616.00	-4151615.69	0.0089	0.0045
Neptune	-16078-05-27 19:11 J	-4150920.00	-4150919.70	-4150919.38	0.0089	0.0038
Uranus	-16075-06-21 09:07 J	-4149799.41	-4149799.12	-4149798.83	0.0135	0.0004

Saturn	-16071-02-08 21:07 J	-4148470.88	-4148470.62	-4148470.36	0.0275	0.0081
Jupiter	-16049-07-31 18:57 J	-4140261.83	-4140261.71	-4140261.59	0.0499	0.0436
Jupiter	-16031-06-16 17:31 J	-4133733.05	-4133732.77	-4133732.48	0.0526	0.0141
Uranus	-16031-09-21 13:26 J	-4133636.26	-4133635.94	-4133635.61	0.0144	0.0022
Jupiter	-16013-05-04 08:24 J	-4127201.39	-4127201.15	-4127200.91	0.0499	0.0153

16TH MILLENNIUM BCE

This is a list of transits of Mars in the 16th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-15998-05-05 16:19 J	-4121722.02	-4121721.82	-4121721.56	0.0088	0.0053		
Neptune	-15996-03-29 09:07 J	-4121028.40	-4121028.12	-4121027.82	0.0088	0.0014		
Jupiter	-15995-03-25 01:55 J	-4120667.64	-4120667.42	-4120667.17	0.0525	0.0316		
Neptune	-15994-02-21 01:40 J	-4120334.52	-4120334.43	-4120334.29	0.0088	0.0081		
Uranus	-15992-03-15 21:50 J	-4119580.73	-4119580.59	-4119580.41	0.0135	0.0112		
Uranus	-15990-02-13 17:45 J	-4118881.00	-4118880.76	-4118880.49	0.0135	0.0066		
Saturn	-15983-07-06 01:40 J	-4116181.64	-4116181.43	-4116181.18	0.0276	0.0149		
Jupiter	-15977-02-06 05:16 J	-4114140.53	-4114140.28	-4114140.04	0.0500	0.0142		
Uranus	-15946-05-18 07:55 J	-4102716.38	-4102716.17	-4102715.93	0.0144	0.0103		
Jupiter	-15942-11-09 21:35 J	-4101079.73	-4101079.60	-4101079.47	0.0501	0.0430		
Saturn	-15941-10-20 09:07 J	-4100734.27	-4100734.12	-4100733.95	0.0289	0.0250		
Neptune	-15916-02-11 01:55 J	-4091854.48	-4091854.42	-4091854.29	0.0089	0.0086		
Neptune	-15914-01-08 09:07 J	-4091158.46	-4091158.12	-4091157.78	0.0089	0.0003		
Jupiter	-15913-12-01 13:11 J	-4090464.96	-4090464.95	-4090464.91	0.0527	0.0525		

Neptune	-15913-12-04 15:35 J	-4090461.97	-4090461.85	-4090461.66	0.0089	0.0080
Uranus	-15908-11-08 04:48 J	-4088662.57	-4088662.30	-4088662.03	0.0135	0.0051
Uranus	-15906-10-09 00:14 J	-4087962.56	-4087962.49	-4087962.36	0.0134	0.0126
Jupiter	-15895-10-25 00:43 J	-4083928.62	-4083928.47	-4083928.30	0.0499	0.0392
Saturn	-15895-11-30 21:35 J	-4083891.73	-4083891.60	-4083891.46	0.0276	0.0238
Jupiter	-15877-09-08 18:43 J	-4077400.01	-4077399.72	-4077399.42	0.0526	0.0075
Uranus	-15863-02-05 02:38 J	-4072502.67	-4072502.39	-4072502.07	0.0143	0.0064
Jupiter	-15859-07-28 19:26 J	-4070867.94	-4070867.69	-4070867.44	0.0499	0.0102
Saturn	-15852-03-17 11:02 J	-4068444.31	-4068444.04	-4068443.75	0.0288	0.0134
Pluto	-15852-07-03 00:00 J	-4068336.50	-4068336.50	-4068336.44	0.0066	0.0066
Jupiter	-15841-06-17 15:07 J	-4064334.06	-4064333.87	-4064333.67	0.0525	0.0394
Saturn	-15836-03-10 19:11 J	-4062606.88	-4062606.70	-4062606.50	0.0273	0.0196
Neptune	-15835-12-19 07:11 J	-4061958.25	-4061958.20	-4061958.14	0.0088	0.0086
Neptune	-15833-11-12 00:43 J	-4061264.75	-4061264.47	-4061264.18	0.0088	0.0019
Neptune	-15831-10-06 16:19 J	-4060571.05	-4060570.82	-4060570.56	0.0088	0.0048
Jupiter	-15823-05-01 09:21 J	-4057807.34	-4057807.11	-4057806.87	0.0500	0.0185
Uranus	-15823-07-03 10:04 J	-4057744.36	-4057744.08	-4057743.78	0.0135	0.0010
Jupiter	-15787-02-01 19:40 J	-4044746.76	-4044746.68	-4044746.57	0.0501	0.0465
Uranus	-15779-10-02 07:26 J	-4041582.51	-4041582.19	-4041581.86	0.0144	0.0024
Saturn	-15764-08-13 02:38 J	-4036153.71	-4036153.39	-4036153.07	0.0288	0.0003
Jupiter	-15758-02-24 04:04 J	-4034132.45	-4034132.33	-4034132.20	0.0527	0.0476
Neptune	-15751-08-21 22:19 J	-4031396.84	-4031396.57	-4031396.26	0.0089	0.0045
Neptune	-15749-07-18 04:19 J	-4030700.60	-4030700.32	-4030699.99	0.0089	0.0039
Saturn	-15748-08-05 13:40 J	-4030317.17	-4030316.93	-4030316.67	0.0274	0.0109
Jupiter	-15740-01-17 08:09 J	-4027595.33	-4027595.16	-4027594.96	0.0499	0.0346
Uranus	-15740-03-27 21:07 J	-4027525.77	-4027525.62	-4027525.41	0.0136	0.0106
Uranus	-15738-02-25 19:11 J	-4026825.95	-4026825.70	-4026825.46	0.0135	0.0071
Jupiter	-15723-12-02 22:33 J	-4021066.86	-4021066.56	-4021066.26	0.0527	0.0010
Jupiter	-15705-10-21 00:43 J	-4014534.73	-4014534.47	-4014534.22	0.0500	0.0060
Uranus	-15696-06-22 12:28 J	-4011368.08	-4011367.98	-4011367.86	0.0143	0.0134

Uranus	-15694-05-29 17:16 J	-4010661.97	-4010661.78	-4010661.57	0.0144	0.0113
Jupiter	-15687-09-10 00:57 J	-4008001.62	-4008001.46	-4008001.28	0.0525	0.0432
Saturn	-15675-01-08 04:04 J	-4003863.62	-4003863.33	-4003863.03	0.0287	0.0111
Neptune	-15669-06-27 12:28 J	-4001501.21	-4001500.98	-4001500.74	0.0088	0.0053
Jupiter	-15669-07-24 15:07 J	-4001474.10	-4001473.87	-4001473.65	0.0500	0.0227
Neptune	-15667-05-22 05:45 J	-4000807.55	-4000807.26	-4000806.97	0.0088	0.0014
Neptune	-15665-04-14 21:07 J	-4000113.72	-4000113.62	-4000113.50	0.0088	0.0081
Saturn	-15660-12-30 17:02 J	-3998028.06	-3998027.79	-3998027.52	0.0274	0.0048
Uranus	-15656-11-20 09:21 J	-3996607.38	-3996607.11	-3996606.83	0.0135	0.0042
Uranus	-15654-10-21 04:48 J	-3995907.31	-3995907.30	-3995907.25	0.0134	0.0134
Uranus	-15611-02-16 21:07 J	-3980447.92	-3980447.62	-3980447.29	0.0143	0.0046
Jupiter	-15604-05-19 18:14 J	-3977798.93	-3977798.74	-3977798.55	0.0527	0.0400
Pluto	-15604-10-09 14:09 J	-3977656.16	-3977655.91	-3977655.59	0.0066	0.0035
Neptune	-15587-04-04 11:02 J	-3971635.09	-3971635.04	-3971634.92	0.0089	0.0087
Saturn	-15587-06-04 10:33 J	-3971574.27	-3971574.06	-3971573.82	0.0288	0.0200
Jupiter	-15586-04-12 23:45 J	-3971261.71	-3971261.51	-3971261.30	0.0499	0.0293
Neptune	-15585-02-29 17:02 J	-3970939.13	-3970938.79	-3970938.45	0.0089	0.0004
Neptune	-15583-01-25 23:16 J	-3970242.68	-3970242.53	-3970242.36	0.0089	0.0079
Saturn	-15571-05-26 07:55 J	-3965739.44	-3965739.17	-3965738.89	0.0274	0.0004
Uranus	-15571-07-15 22:04 J	-3965688.86	-3965688.58	-3965688.29	0.0135	0.0023
Jupiter	-15568-02-25 05:31 J	-3964733.57	-3964733.27	-3964732.98	0.0526	0.0053
Jupiter	-15550-01-14 20:52 J	-3958200.88	-3958200.63	-3958200.37	0.0499	0.0009
Jupiter	-15533-12-04 05:31 J	-3951667.28	-3951667.27	-3951667.24	0.0525	0.0523
Uranus	-15527-10-14 04:04 J	-3949527.63	-3949527.33	-3949527.00	0.0144	0.0042
Jupiter	-15515-10-18 20:38 J	-3945139.83	-3945139.64	-3945139.43	0.0501	0.0300
Neptune	-15503-01-04 16:33 J	-3941044.09	-3941043.81	-3941043.52	0.0088	0.0020
Neptune	-15502-11-29 10:04 J	-3940350.31	-3940350.08	-3940349.82	0.0088	0.0047
Saturn	-15499-10-28 16:33 J	-3939285.94	-3939285.81	-3939285.63	0.0288	0.0251
Uranus	-15488-04-09 15:35 J	-3935470.06	-3935469.85	-3935469.63	0.0135	0.0089
Uranus	-15486-03-10 09:35 J	-3934770.30	-3934770.10	-3934769.86	0.0135	0.0087

Saturn	-15483-10-19 05:16 J	-3933451.55	-3933451.28	-3933451.00	0.0274	0.0018
Jupiter	-15450-08-14 06:28 J	-3921464.47	-3921464.23	-3921463.98	0.0526	0.0299
Uranus	-15444-07-03 20:52 J	-3919313.77	-3919313.63	-3919313.43	0.0143	0.0124
Uranus	-15442-06-10 03:07 J	-3918607.51	-3918607.37	-3918607.19	0.0144	0.0125
Jupiter	-15432-07-07 12:28 J	-3914927.21	-3914926.98	-3914926.75	0.0499	0.0210
Neptune	-15422-10-13 03:35 J	-3911177.62	-3911177.35	-3911177.04	0.0089	0.0047
Neptune	-15420-09-08 09:07 J	-3910481.41	-3910481.12	-3910480.79	0.0089	0.0037
Jupiter	-15414-05-23 11:02 J	-3908398.32	-3908398.04	-3908397.76	0.0525	0.0178
Saturn	-15410-03-23 00:14 J	-3906998.59	-3906998.49	-3906998.39	0.0289	0.0273
Uranus	-15404-12-03 03:50 J	-3904551.62	-3904551.34	-3904551.05	0.0135	0.0025
Jupiter	-15396-04-10 11:31 J	-3901866.28	-3901866.02	-3901865.77	0.0500	0.0087
Saturn	-15394-03-14 00:57 J	-3901163.73	-3901163.46	-3901163.19	0.0273	0.0037
Jupiter	-15360-01-12 13:26 J	-3888805.09	-3888804.94	-3888804.77	0.0501	0.0392
Uranus	-15359-02-27 19:40 J	-3888393.98	-3888393.68	-3888393.35	0.0143	0.0042
Pluto	-15355-01-16 00:14 J	-3886975.82	-3886975.49	-3886975.15	0.0066	0.0004
Neptune	-15340-08-20 01:26 J	-3881280.65	-3881280.44	-3881280.20	0.0088	0.0056
Neptune	-15338-07-14 18:57 J	-3880587.00	-3880586.71	-3880586.41	0.0088	0.0012
Neptune	-15336-06-07 12:14 J	-3879893.11	-3879892.99	-3879892.86	0.0088	0.0079
Saturn	-15322-08-14 23:16 J	-3874711.60	-3874711.53	-3874711.43	0.0289	0.0278
Uranus	-15319-07-28 12:14 J	-3873633.26	-3873632.99	-3873632.71	0.0135	0.0036
Jupiter	-15314-12-29 06:00 J	-3871653.39	-3871653.25	-3871653.11	0.0499	0.0419
Saturn	-15306-08-06 17:31 J	-3868876.04	-3868875.77	-3868875.50	0.0272	0.0046
Jupiter	-15296-11-09 01:11 J	-3865128.73	-3865128.45	-3865128.16	0.0526	0.0155
Jupiter	-15278-10-02 03:21 J	-3858592.61	-3858592.36	-3858592.11	0.0500	0.0126
Uranus	-15275-10-24 21:07 J	-3857473.93	-3857473.62	-3857473.30	0.0144	0.0043
Pluto	-15268-06-09 06:14 J	-3855054.44	-3855054.24	-3855054.00	0.0078	0.0053
Jupiter	-15260-08-17 18:43 J	-3852062.95	-3852062.72	-3852062.48	0.0525	0.0316
Neptune	-15258-05-26 13:40 J	-3851415.93	-3851415.93	-3851415.88	0.0089	0.0089
Neptune	-15256-04-21 18:57 J	-3850720.04	-3850719.71	-3850719.37	0.0089	0.0007
Neptune	-15254-03-19 00:14 J	-3850023.64	-3850023.49	-3850023.29	0.0089	0.0077

Jupiter	-15242-07-06 05:31 J	-3845531.50	-3845531.27	-3845531.03	0.0500	0.0181
Uranus	-15236-04-22 02:24 J	-3843414.64	-3843414.40	-3843414.16	0.0136	0.0077
Uranus	-15234-03-22 21:35 J	-3842714.78	-3842714.60	-3842714.38	0.0135	0.0098
Saturn	-15233-01-06 18:57 J	-3842424.77	-3842424.71	-3842424.63	0.0290	0.0282
Saturn	-15218-12-30 22:19 J	-3836587.83	-3836587.57	-3836587.30	0.0272	0.0079
Jupiter	-15206-04-09 02:52 J	-3832470.44	-3832470.38	-3832470.29	0.0501	0.0478
Uranus	-15192-07-15 01:40 J	-3827259.61	-3827259.43	-3827259.22	0.0143	0.0114
Uranus	-15190-06-21 08:24 J	-3826553.25	-3826553.15	-3826553.01	0.0144	0.0133
Jupiter	-15177-04-27 08:52 J	-3821859.22	-3821859.13	-3821859.02	0.0526	0.0494
Neptune	-15174-02-27 02:38 J	-3820823.67	-3820823.39	-3820823.10	0.0088	0.0024
Neptune	-15172-01-20 19:11 J	-3820129.94	-3820129.70	-3820129.43	0.0088	0.0044
Jupiter	-15159-03-24 10:33 J	-3815319.24	-3815319.06	-3815318.87	0.0500	0.0346
Uranus	-15152-12-15 14:52 J	-3812496.17	-3812495.88	-3812495.59	0.0135	0.0013
Jupiter	-15141-02-03 20:52 J	-3808793.93	-3808793.63	-3808793.34	0.0525	0.0031
Saturn	-15129-05-25 11:16 J	-3804299.26	-3804299.03	-3804298.77	0.0272	0.0122
Jupiter	-15124-12-26 12:14 J	-3802258.25	-3802257.99	-3802257.74	0.0500	0.0043
Uranus	-15107-03-11 14:24 J	-3796339.21	-3796338.90	-3796338.56	0.0143	0.0025
Pluto	-15107-04-24 13:55 J	-3796295.18	-3796294.92	-3796294.61	0.0066	0.0034
Jupiter	-15106-11-13 00:00 J	-3795727.65	-3795727.50	-3795727.34	0.0524	0.0446
Neptune	-15093-12-03 01:40 J	-3790958.69	-3790958.43	-3790958.13	0.0089	0.0051
Neptune	-15091-10-30 07:11 J	-3790262.51	-3790262.20	-3790261.88	0.0089	0.0033
Jupiter	-15088-09-29 06:14 J	-3789197.46	-3789197.24	-3789197.02	0.0501	0.0250
Uranus	-15069-09-09 10:04 J	-3782277.17	-3782277.08	-3782276.93	0.0136	0.0124
Uranus	-15067-08-10 05:02 J	-3781577.55	-3781577.29	-3781577.01	0.0135	0.0052
Saturn	-15041-10-19 18:28 J	-3772009.91	-3772009.73	-3772009.53	0.0272	0.0191
Jupiter	-15023-07-22 04:33 J	-3765525.50	-3765525.31	-3765525.12	0.0526	0.0401
Uranus	-15023-11-06 06:28 J	-3765418.50	-3765418.23	-3765417.92	0.0144	0.0069
Pluto	-15020-09-16 08:38 J	-3764373.42	-3764373.14	-3764372.83	0.0078	0.0015
Neptune	-15011-10-12 08:52 J	-3761060.32	-3761060.13	-3761059.90	0.0088	0.0061
Neptune	-15009-09-05 03:21 J	-3760366.66	-3760366.36	-3760366.07	0.0088	0.0007

Neptune -15007-07-30 19:26 J -3759672.83 -3759672.69 -3759672.53 0.0088 0.0075

Jupiter -15005-06-17 06:28 J -3758985.44 -3758985.23 -3758985.02 0.0499 0.0281

15TH MILLENNIUM BCE

This is a list of transits of Mars in the 15th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-14987-04-30	00:28 J	-3752459.77	-3752459.48	-3752459.18	0.0526	0.0069	
Uranus	-14984-05-05	02:52 J	-3751358.64	-3751358.38	-3751358.12	0.0135	0.0057	
Saturn	-14982-01-28	20:24 J	-3750724.78	-3750724.65	-3750724.51	0.0269	0.0234	
Uranus	-14982-04-04	20:24 J	-3750658.79	-3750658.65	-3750658.51	0.0135	0.0117	
Jupiter	-14969-03-20	21:21 J	-3745924.86	-3745924.61	-3745924.35	0.0500	0.0009	
Jupiter	-14951-02-04	23:02 J	-3739394.61	-3739394.54	-3739394.46	0.0525	0.0506	
Uranus	-14940-07-27	07:26 J	-3735204.43	-3735204.19	-3735203.92	0.0143	0.0091	
Jupiter	-14934-12-23	08:52 J	-3732864.34	-3732864.13	-3732863.92	0.0501	0.0290	
Neptune	-14927-06-12	12:57 J	-3730501.28	-3730500.96	-3730500.61	0.0089	0.0012	
Neptune	-14925-05-08	17:45 J	-3729804.94	-3729804.76	-3729804.53	0.0089	0.0072	
Saturn	-14910-06-23	18:57 J	-3724280.94	-3724280.71	-3724280.46	0.0293	0.0189	
Uranus	-14900-12-28	20:09 J	-3720439.95	-3720439.66	-3720439.38	0.0135	0.0009	
Saturn	-14894-06-25	15:07 J	-3718435.10	-3718434.87	-3718434.64	0.0270	0.0146	
Jupiter	-14869-10-14	10:19 J	-3709192.29	-3709192.07	-3709191.83	0.0527	0.0334	
Uranus	-14855-03-23	15:35 J	-3704284.18	-3704283.85	-3704283.52	0.0143	0.0005	
Jupiter	-14851-09-10	08:24 J	-3702652.37	-3702652.15	-3702651.92	0.0500	0.0242	
Neptune	-14845-04-20	06:28 J	-3700603.49	-3700603.23	-3700602.94	0.0088	0.0030	

Neptune	-14843-03-15 00:43 J	-3699909.72	-3699909.47	-3699909.19	0.0088	0.0038
Jupiter	-14833-07-22 07:55 J	-3696127.46	-3696127.17	-3696126.88	0.0526	0.0104
Saturn	-14822-11-19 10:19 J	-3691990.38	-3691990.07	-3691989.75	0.0291	0.0050
Uranus	-14817-09-22 16:19 J	-3690221.00	-3690220.82	-3690220.62	0.0136	0.0101
Jupiter	-14815-06-13 21:35 J	-3689591.85	-3689591.60	-3689591.34	0.0500	0.0045
Uranus	-14815-08-23 10:04 J	-3689521.30	-3689521.08	-3689520.82	0.0135	0.0074
Saturn	-14806-11-20 06:28 J	-3686145.50	-3686145.23	-3686144.96	0.0271	0.0067
Jupiter	-14779-03-17 18:28 J	-3676530.91	-3676530.73	-3676530.54	0.0501	0.0340
Pluto	-14772-12-24 06:28 J	-3673692.48	-3673692.23	-3673691.97	0.0078	0.0039
Uranus	-14771-11-17 17:16 J	-3673364.03	-3673363.78	-3673363.48	0.0144	0.0079
Neptune	-14763-01-23 16:48 J	-3670740.03	-3670739.80	-3670739.52	0.0089	0.0058
Neptune	-14762-12-20 21:35 J	-3670043.90	-3670043.60	-3670043.26	0.0089	0.0026
Saturn	-14733-04-15 16:48 J	-3659700.11	-3659699.80	-3659699.50	0.0292	0.0077
Jupiter	-14732-03-01 22:19 J	-3659379.62	-3659379.57	-3659379.52	0.0499	0.0489
Uranus	-14732-05-18 04:33 J	-3659302.58	-3659302.31	-3659302.02	0.0136	0.0038
Saturn	-14717-04-15 12:43 J	-3653856.25	-3653855.97	-3653855.70	0.0271	0.0006
Jupiter	-14714-01-07 01:40 J	-3652859.66	-3652859.43	-3652859.17	0.0526	0.0293
Jupiter	-14697-12-03 18:43 J	-3646318.96	-3646318.72	-3646318.49	0.0499	0.0194
Uranus	-14688-08-07 21:50 J	-3643149.86	-3643149.59	-3643149.30	0.0143	0.0078
Neptune	-14682-12-04 10:33 J	-3640840.22	-3640840.06	-3640839.84	0.0088	0.0068
Neptune	-14680-10-28 05:16 J	-3640146.58	-3640146.28	-3640145.99	0.0088	0.0001
Jupiter	-14679-10-15 19:40 J	-3639793.96	-3639793.68	-3639793.40	0.0525	0.0172
Neptune	-14678-09-21 23:02 J	-3639452.71	-3639452.54	-3639452.35	0.0088	0.0069
Jupiter	-14661-09-06 17:02 J	-3633258.04	-3633257.79	-3633257.54	0.0500	0.0102
Uranus	-14647-01-10 18:28 J	-3628384.01	-3628383.73	-3628383.44	0.0135	0.0027
Saturn	-14645-09-09 22:33 J	-3627410.82	-3627410.56	-3627410.30	0.0291	0.0165
Saturn	-14629-09-09 01:26 J	-3621567.71	-3621567.44	-3621567.17	0.0271	0.0046
Jupiter	-14625-06-10 13:26 J	-3620197.09	-3620196.94	-3620196.79	0.0501	0.0401
Uranus	-14603-04-04 12:43 J	-3612229.30	-3612228.97	-3612228.63	0.0143	0.0012
Neptune	-14598-08-03 00:00 J	-3610282.82	-3610282.50	-3610282.16	0.0089	0.0021

Neptune	-14596-06-29 04:19 J	-3609586.53	-3609586.32	-3609586.05	0.0089	0.0064
Jupiter	-14578-05-27 01:26 J	-3603045.57	-3603045.44	-3603045.30	0.0499	0.0420
Uranus	-14565-10-05 14:09 J	-3598165.12	-3598164.91	-3598164.67	0.0136	0.0083
Uranus	-14563-09-05 09:35 J	-3597465.30	-3597465.10	-3597464.88	0.0135	0.0092
Jupiter	-14560-04-02 15:21 J	-3596525.13	-3596524.86	-3596524.58	0.0526	0.0192
Saturn	-14556-02-02 22:33 J	-3595122.76	-3595122.56	-3595122.33	0.0292	0.0214
Jupiter	-14542-02-28 00:57 J	-3589984.71	-3589984.46	-3589984.21	0.0500	0.0122
Saturn	-14540-02-02 04:04 J	-3589279.59	-3589279.33	-3589279.07	0.0270	0.0076
Jupiter	-14524-01-09 08:24 J	-3583459.40	-3583459.15	-3583458.90	0.0525	0.0282
Pluto	-14523-04-02 10:33 J	-3583011.14	-3583011.06	-3583010.91	0.0078	0.0072
Uranus	-14521-12-24 02:24 J	-3582014.45	-3582014.40	-3582014.28	0.0143	0.0138
Uranus	-14519-11-30 10:19 J	-3581308.27	-3581308.07	-3581307.83	0.0144	0.0107
Neptune	-14516-06-12 08:24 J	-3580383.41	-3580383.15	-3580382.87	0.0088	0.0037
Neptune	-14514-05-07 01:11 J	-3579689.70	-3579689.45	-3579689.15	0.0088	0.0032
Jupiter	-14507-12-02 03:50 J	-3576923.58	-3576923.34	-3576923.10	0.0500	0.0185
Uranus	-14480-05-31 09:07 J	-3567246.41	-3567246.12	-3567245.83	0.0136	0.0016
Jupiter	-14471-09-05 04:33 J	-3563862.35	-3563862.31	-3563862.24	0.0502	0.0488
Saturn	-14468-06-28 01:55 J	-3562835.61	-3562835.42	-3562835.21	0.0292	0.0224
Saturn	-14452-06-27 19:26 J	-3556991.95	-3556991.69	-3556991.42	0.0270	0.0084
Jupiter	-14442-09-20 06:28 J	-3553255.23	-3553255.23	-3553255.23	0.0526	0.0526
Uranus	-14436-08-20 18:57 J	-3551094.02	-3551093.71	-3551093.39	0.0143	0.0047
Neptune	-14434-03-16 01:55 J	-3550521.61	-3550521.42	-3550521.17	0.0089	0.0068
Neptune	-14432-02-09 06:00 J	-3549825.57	-3549825.25	-3549824.91	0.0089	0.0017
Jupiter	-14424-08-20 15:50 J	-3546711.03	-3546710.84	-3546710.65	0.0500	0.0337
Jupiter	-14406-06-28 22:33 J	-3540189.85	-3540189.56	-3540189.26	0.0525	0.0054
Uranus	-14397-02-24 08:24 J	-3537027.24	-3537027.15	-3537027.01	0.0136	0.0125
Uranus	-14395-01-24 03:21 J	-3536327.61	-3536327.36	-3536327.08	0.0135	0.0052
Jupiter	-14388-05-24 21:07 J	-3533649.88	-3533649.62	-3533649.36	0.0500	0.0026
Saturn	-14380-11-19 15:21 J	-3530549.05	-3530548.86	-3530548.63	0.0293	0.0218
Jupiter	-14370-04-07 05:02 J	-3527123.45	-3527123.29	-3527123.11	0.0524	0.0430

Saturn	-14364-11-20 15:35 J	-3524704.09	-3524703.85	-3524703.59	0.0269	0.0103
Neptune	-14352-01-25 10:33 J	-3520620.18	-3520620.06	-3520619.88	0.0088	0.0076
Jupiter	-14352-02-25 21:21 J	-3520588.82	-3520588.61	-3520588.40	0.0501	0.0277
Uranus	-14351-04-17 10:19 J	-3520173.37	-3520173.07	-3520172.74	0.0143	0.0043
Neptune	-14351-12-20 06:28 J	-3519926.52	-3519926.23	-3519925.93	0.0088	0.0007
Neptune	-14349-11-12 23:31 J	-3519232.71	-3519232.52	-3519232.30	0.0088	0.0062
Uranus	-14313-10-19 03:21 J	-3506108.60	-3506108.36	-3506108.08	0.0136	0.0057
Uranus	-14311-09-18 20:38 J	-3505408.75	-3505408.64	-3505408.47	0.0135	0.0118
Saturn	-14291-04-13 14:24 J	-3498262.10	-3498261.90	-3498261.68	0.0294	0.0218
Jupiter	-14288-12-15 14:38 J	-3496920.08	-3496919.89	-3496919.68	0.0526	0.0384
Saturn	-14275-04-15 15:21 J	-3492416.09	-3492415.86	-3492415.60	0.0269	0.0125
Jupiter	-14270-11-15 10:04 J	-3490376.30	-3490376.08	-3490375.85	0.0500	0.0242
Neptune	-14269-09-22 06:57 J	-3490064.50	-3490064.21	-3490063.87	0.0089	0.0032
Uranus	-14268-01-05 08:24 J	-3489959.32	-3489959.15	-3489958.93	0.0142	0.0116
Neptune	-14267-08-19 10:33 J	-3489368.30	-3489368.06	-3489367.76	0.0089	0.0054
Uranus	-14267-12-12 15:50 J	-3489252.97	-3489252.84	-3489252.67	0.0143	0.0128
Jupiter	-14252-09-23 18:57 J	-3483854.00	-3483853.71	-3483853.42	0.0525	0.0098
Jupiter	-14234-08-19 07:40 J	-3477315.43	-3477315.18	-3477314.92	0.0501	0.0059
Uranus	-14228-06-13 17:31 J	-3475190.05	-3475189.77	-3475189.48	0.0136	0.0008
Saturn	-14203-09-06 00:57 J	-3465974.63	-3465974.46	-3465974.27	0.0294	0.0239
Jupiter	-14198-05-23 00:14 J	-3464254.67	-3464254.49	-3464254.30	0.0501	0.0350
Neptune	-14187-08-04 09:07 J	-3460163.35	-3460163.12	-3460162.84	0.0088	0.0045
Saturn	-14187-09-09 10:04 J	-3460127.29	-3460127.08	-3460126.87	0.0268	0.0173
Neptune	-14185-06-28 04:19 J	-3459469.59	-3459469.32	-3459469.02	0.0088	0.0025
Uranus	-14184-09-01 16:48 J	-3459039.13	-3459038.80	-3459038.48	0.0143	0.0030
Jupiter	-14151-05-07 11:02 J	-3447103.12	-3447103.04	-3447102.95	0.0499	0.0470
Uranus	-14145-03-08 09:50 J	-3444971.25	-3444971.09	-3444970.89	0.0137	0.0105
Uranus	-14143-02-06 06:28 J	-3444271.46	-3444271.23	-3444270.97	0.0136	0.0071
Jupiter	-14133-03-11 14:24 J	-3440585.15	-3440584.90	-3440584.64	0.0526	0.0258
Saturn	-14129-12-18 12:00 J	-3438842.08	-3438842.00	-3438841.89	0.0266	0.0248

Jupiter	-14115-02-08 05:45 J	-3434042.50	-3434042.26	-3434042.02	0.0500	0.0175
Neptune	-14105-05-05 10:33 J	-3430303.21	-3430303.06	-3430302.89	0.0089	0.0078
Neptune	-14103-04-01 13:11 J	-3429607.29	-3429606.95	-3429606.62	0.0089	0.0006
Uranus	-14099-04-29 04:48 J	-3428118.60	-3428118.30	-3428118.00	0.0143	0.0058
Saturn	-14098-02-03 14:52 J	-3427837.99	-3427837.88	-3427837.74	0.0269	0.0240
Jupiter	-14098-12-18 13:55 J	-3427520.20	-3427519.92	-3427519.64	0.0525	0.0186
Jupiter	-14080-11-11 20:09 J	-3420981.90	-3420981.66	-3420981.40	0.0501	0.0114
Uranus	-14061-10-31 21:50 J	-3414052.85	-3414052.59	-3414052.31	0.0136	0.0041
Uranus	-14059-10-01 17:02 J	-3413352.84	-3413352.79	-3413352.74	0.0135	0.0133
Jupiter	-14044-08-15 19:26 J	-3407920.82	-3407920.69	-3407920.54	0.0501	0.0415
Saturn	-14040-05-15 00:14 J	-3406552.69	-3406552.49	-3406552.27	0.0267	0.0172
Neptune	-14023-03-19 12:28 J	-3400400.05	-3400399.98	-3400399.86	0.0088	0.0083
Neptune	-14021-02-11 07:40 J	-3399706.46	-3399706.18	-3399705.87	0.0088	0.0014
Neptune	-14019-01-05 02:24 J	-3399012.60	-3399012.40	-3399012.15	0.0088	0.0056
Uranus	-14016-01-17 16:04 J	-3397904.06	-3397903.83	-3397903.55	0.0142	0.0091

14TH MILLENNIUM BCE

This is a list of transits of Mars in the 14th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								

Jupiter	-13997-07-30 17:31 J	-3390769.91	-3390769.77	-3390769.64	0.0500	0.0425
Jupiter	-13979-06-04 07:26 J	-3384252.45	-3384252.19	-3384251.91	0.0526	0.0208
Uranus	-13976-06-26 12:28 J	-3383134.26	-3383133.98	-3383133.69	0.0136	0.0024
Saturn	-13968-09-28 04:33 J	-3380118.38	-3380118.31	-3380118.20	0.0296	0.0283

Jupiter -13961-05-03 07:26 J -3377709.43 -3377709.19 -3377708.94 0.0500 0.0136
 Saturn -13952-10-09 18:28 J -3374262.99 -3374262.73 -3374262.47 0.0267 0.0089
 Jupiter -13943-03-12 17:16 J -3371187.04 -3371186.78 -3371186.52 0.0525 0.0252
 Neptune -13940-11-12 15:35 J -3369846.12 -3369845.85 -3369845.53 0.0089 0.0042
 Neptune -13938-10-09 19:26 J -3369149.98 -3369149.69 -3369149.39 0.0089 0.0043
 Uranus -13932-09-14 10:48 J -3366983.38 -3366983.05 -3366982.72 0.0142 0.0001
 Jupiter -13925-02-05 05:16 J -3364648.52 -3364648.28 -3364648.03 0.0501 0.0163
 Uranus -13893-03-21 07:26 J -3352915.41 -3352915.19 -3352914.97 0.0137 0.0086
 Uranus -13891-02-19 02:52 J -3352215.59 -3352215.38 -3352215.16 0.0136 0.0089
 Jupiter -13890-11-08 18:57 J -3351587.81 -3351587.71 -3351587.60 0.0501 0.0454
 Saturn -13879-02-23 22:48 J -3347827.82 -3347827.55 -3347827.26 0.0296 0.0136
 Saturn -13863-03-06 09:07 J -3341973.39 -3341973.12 -3341972.84 0.0268 0.0005
 Neptune -13858-09-26 13:55 J -3339943.15 -3339942.92 -3339942.66 0.0088 0.0051
 Neptune -13856-08-20 08:24 J -3339249.43 -3339249.15 -3339248.85 0.0088 0.0019
 Uranus -13847-05-12 03:35 J -3336062.59 -3336062.35 -3336062.08 0.0143 0.0091
 Jupiter -13843-10-23 19:55 J -3334436.83 -3334436.67 -3334436.50 0.0499 0.0387
 Jupiter -13825-08-27 08:09 J -3327919.44 -3327919.16 -3327918.88 0.0525 0.0155
 Uranus -13809-11-14 00:28 J -3321996.76 -3321996.48 -3321996.19 0.0136 0.0020
 Jupiter -13807-07-27 18:00 J -3321376.00 -3321375.75 -3321375.50 0.0500 0.0090
 Saturn -13791-07-22 06:00 J -3315537.57 -3315537.25 -3315536.94 0.0295 0.0007
 Jupiter -13789-06-04 14:09 J -3314854.15 -3314853.91 -3314853.67 0.0525 0.0306
 Neptune -13776-06-25 21:35 J -3310084.64 -3310084.60 -3310084.52 0.0089 0.0088
 Saturn -13775-07-31 11:45 J -3309684.27 -3309684.01 -3309683.74 0.0268 0.0058
 Neptune -13774-05-22 23:45 J -3309388.85 -3309388.51 -3309388.18 0.0089 0.0004
 Neptune -13772-04-18 02:38 J -3308692.52 -3308692.39 -3308692.23 0.0089 0.0081
 Jupiter -13771-04-30 12:14 J -3308315.22 -3308314.99 -3308314.76 0.0500 0.0209
 Uranus -13764-01-30 07:26 J -3305848.47 -3305848.19 -3305847.87 0.0142 0.0062
 Uranus -13726-08-09 16:33 J -3291777.86 -3291777.81 -3291777.70 0.0137 0.0132
 Uranus -13724-07-09 12:57 J -3291078.22 -3291077.96 -3291077.68 0.0136 0.0044
 Saturn -13703-12-16 11:02 J -3283248.33 -3283248.04 -3283247.73 0.0296 0.0091

Neptune -13692-04-04 14:38 J -3279486.17 -3279485.89 -3279485.59 0.0088 0.0019
 Neptune -13690-02-27 08:52 J -3278792.36 -3278792.13 -3278791.88 0.0088 0.0051
 Jupiter -13688-01-16 15:07 J -3278103.06 -3278102.87 -3278102.67 0.0500 0.0331
 Saturn -13687-12-25 03:50 J -3277395.58 -3277395.34 -3277395.08 0.0267 0.0109
 Uranus -13680-09-26 11:45 J -3274928.33 -3274928.01 -3274927.67 0.0142 0.0021
 Jupiter -13671-11-21 01:11 J -3271585.74 -3271585.45 -3271585.15 0.0525 0.0074
 Jupiter -13653-10-20 17:16 J -3265042.04 -3265041.78 -3265041.53 0.0500 0.0024
 Uranus -13641-04-03 04:48 J -3260859.55 -3260859.30 -3260859.05 0.0137 0.0068
 Uranus -13639-03-04 00:57 J -3260159.61 -3260159.46 -3260159.26 0.0136 0.0107
 Jupiter -13635-08-29 22:04 J -3258519.76 -3258519.58 -3258519.38 0.0524 0.0400
 Jupiter -13617-07-24 18:14 J -3251980.95 -3251980.74 -3251980.53 0.0501 0.0283
 Pluto -13616-10-29 02:09 J -3251519.50 -3251519.41 -3251519.24 0.0066 0.0062
 Saturn -13614-05-11 11:45 J -3250960.27 -3250960.01 -3250959.71 0.0296 0.0135
 Neptune -13610-01-03 06:57 J -3249627.46 -3249627.21 -3249626.91 0.0089 0.0050
 Neptune -13609-11-29 08:52 J -3248931.42 -3248931.13 -3248930.80 0.0089 0.0036
 Saturn -13598-05-20 05:16 J -3245107.51 -3245107.28 -3245107.04 0.0267 0.0135
 Uranus -13597-06-16 11:45 J -3244714.11 -3244714.01 -3244713.88 0.0142 0.0133
 Uranus -13595-05-23 16:48 J -3244008.00 -3244007.80 -3244007.55 0.0143 0.0105
 Uranus -13557-11-26 11:45 J -3229941.30 -3229941.01 -3229940.73 0.0136 0.0007
 Jupiter -13552-05-09 11:02 J -3228316.20 -3228316.04 -3228315.85 0.0526 0.0419
 Jupiter -13534-04-13 05:31 J -3221768.50 -3221768.27 -3221768.05 0.0500 0.0242
 Neptune -13529-11-17 21:21 J -3219722.82 -3219722.61 -3219722.36 0.0088 0.0055
 Neptune -13527-10-12 18:00 J -3219029.03 -3219028.75 -3219028.45 0.0088 0.0015
 Saturn -13526-10-03 10:48 J -3218673.33 -3218673.05 -3218672.78 0.0296 0.0142
 Neptune -13525-09-05 11:16 J -3218335.07 -3218335.03 -3218334.92 0.0088 0.0085
 Jupiter -13516-02-15 12:57 J -3215250.25 -3215249.96 -3215249.67 0.0525 0.0063
 Uranus -13512-02-10 20:52 J -3213793.93 -3213793.63 -3213793.30 0.0142 0.0048
 Saturn -13510-10-13 03:35 J -3212819.57 -3212819.35 -3212819.12 0.0266 0.0156
 Jupiter -13498-01-15 08:09 J -3208707.41 -3208707.16 -3208706.90 0.0501 0.0066
 Uranus -13474-08-21 22:48 J -3199722.67 -3199722.55 -3199722.41 0.0137 0.0122

Uranus	-13472-07-21 20:38 J	-3199022.89	-3199022.64	-3199022.37	0.0136	0.0055
Jupiter	-13463-10-19 06:43 J	-3195646.38	-3195646.22	-3195646.04	0.0502	0.0367
Neptune	-13445-07-12 18:43 J	-3189170.04	-3189169.72	-3189169.38	0.0089	0.0010
Neptune	-13443-06-08 20:52 J	-3188473.80	-3188473.63	-3188473.44	0.0089	0.0075
Saturn	-13437-02-25 00:14 J	-3186386.77	-3186386.49	-3186386.20	0.0297	0.0126
Uranus	-13428-10-08 10:48 J	-3182873.36	-3182873.05	-3182872.72	0.0142	0.0041
Saturn	-13421-03-06 20:52 J	-3180531.83	-3180531.63	-3180531.41	0.0266	0.0169
Jupiter	-13416-10-03 19:26 J	-3178494.79	-3178494.69	-3178494.59	0.0500	0.0457
Jupiter	-13398-08-05 11:45 J	-3171980.26	-3171980.01	-3171979.75	0.0525	0.0260
Uranus	-13389-04-15 08:38 J	-3168804.39	-3168804.14	-3168803.87	0.0137	0.0059
Uranus	-13387-03-16 04:33 J	-3168104.44	-3168104.31	-3168104.14	0.0136	0.0116
Jupiter	-13380-07-07 20:52 J	-3165433.87	-3165433.63	-3165433.38	0.0501	0.0150
Pluto	-13367-02-04 12:43 J	-3160839.27	-3160838.97	-3160838.65	0.0066	0.0026
Neptune	-13363-05-28 00:57 J	-3159265.74	-3159265.46	-3159265.16	0.0088	0.0021
Jupiter	-13362-05-13 19:26 J	-3158914.96	-3158914.69	-3158914.41	0.0525	0.0202
Neptune	-13361-04-20 21:07 J	-3158571.85	-3158571.62	-3158571.36	0.0088	0.0049
Saturn	-13349-07-18 13:40 J	-3154100.21	-3154099.93	-3154099.63	0.0297	0.0114
Uranus	-13345-06-28 18:57 J	-3152658.91	-3152658.71	-3152658.47	0.0142	0.0108
Jupiter	-13344-04-10 17:45 J	-3152373.00	-3152372.76	-3152372.51	0.0501	0.0151
Uranus	-13343-06-04 23:45 J	-3151952.63	-3151952.51	-3151952.35	0.0143	0.0129
Saturn	-13333-07-31 01:40 J	-3148243.60	-3148243.43	-3148243.24	0.0265	0.0196
Jupiter	-13308-01-13 00:57 J	-3139311.54	-3139311.46	-3139311.36	0.0502	0.0467
Uranus	-13305-12-08 22:33 J	-3137885.85	-3137885.56	-3137885.27	0.0136	0.0005
Neptune	-13281-02-24 07:40 J	-3129408.43	-3129408.18	-3129407.90	0.0089	0.0054
Neptune	-13279-01-20 08:38 J	-3128712.43	-3128712.14	-3128711.80	0.0089	0.0032
Saturn	-13275-11-08 21:50 J	-3126958.70	-3126958.59	-3126958.44	0.0263	0.0232
Jupiter	-13262-12-29 01:11 J	-3122160.62	-3122160.45	-3122160.28	0.0500	0.0375
Saturn	-13261-12-11 03:35 J	-3121812.62	-3121812.35	-3121812.06	0.0298	0.0134
Uranus	-13260-02-23 05:16 J	-3121738.60	-3121738.28	-3121737.94	0.0142	0.0022
Saturn	-13245-12-24 14:24 J	-3115955.00	-3115954.90	-3115954.76	0.0266	0.0237

Jupiter -13244-10-30 01:40 J -3115645.71 -3115645.43 -3115645.14 0.0525 0.0144
 Jupiter -13226-10-01 20:09 J -3109099.91 -3109099.66 -3109099.40 0.0501 0.0078
 Uranus -13222-09-03 12:28 J -3107667.15 -3107666.98 -3107666.80 0.0137 0.0107
 Uranus -13220-08-03 08:24 J -3106967.40 -3106967.15 -3106966.90 0.0136 0.0067
 Jupiter -13208-08-07 17:02 J -3102580.02 -3102579.79 -3102579.56 0.0524 0.0330
 Neptune -13199-01-10 09:50 J -3099502.30 -3099502.09 -3099501.85 0.0088 0.0057
 Neptune -13198-12-05 06:14 J -3098808.52 -3098808.24 -3098807.94 0.0088 0.0014
 Neptune -13196-10-29 01:55 J -3098114.48 -3098114.42 -3098114.31 0.0088 0.0084
 Jupiter -13190-07-06 00:14 J -3096038.72 -3096038.49 -3096038.27 0.0501 0.0234
 Saturn -13186-04-04 19:40 J -3094669.88 -3094669.68 -3094669.47 0.0264 0.0177
 Uranus -13176-10-20 08:38 J -3090818.44 -3090818.14 -3090817.83 0.0142 0.0060
 Saturn -13172-05-06 20:09 J -3089523.89 -3089523.66 -3089523.43 0.0297 0.0199
 Uranus -13137-04-27 23:16 J -3076748.79 -3076748.53 -3076748.25 0.0137 0.0045
 Uranus -13135-03-28 19:40 J -3076048.77 -3076048.68 -3076048.58 0.0136 0.0128
 Jupiter -13125-04-16 13:11 J -3072377.00 -3072376.95 -3072376.88 0.0526 0.0515
 Pluto -13119-05-14 02:38 J -3070158.73 -3070158.39 -3070158.05 0.0066 0.0001
 Neptune -13116-09-02 23:31 J -3068950.84 -3068950.52 -3068950.18 0.0089 0.0013
 Neptune -13114-07-31 00:57 J -3068254.63 -3068254.46 -3068254.25 0.0089 0.0073
 Jupiter -13107-03-23 10:33 J -3065827.26 -3065827.06 -3065826.87 0.0500 0.0323
 Saturn -13098-08-30 08:09 J -3062380.41 -3062380.16 -3062379.90 0.0264 0.0103
 Uranus -13093-07-10 02:24 J -3060604.61 -3060604.40 -3060604.13 0.0142 0.0097
 Uranus -13091-06-16 07:55 J -3059898.21 -3059898.17 -3059898.09 0.0142 0.0140
 Jupiter -13089-01-23 20:52 J -3059311.92 -3059311.63 -3059311.33 0.0525 0.0054
 Jupiter -13072-12-25 12:14 J -3052766.25 -3052765.99 -3052765.73 0.0501 0.0017
 Jupiter -13054-11-01 00:14 J -3046246.68 -3046246.49 -3046246.30 0.0524 0.0405
 Uranus -13053-12-21 06:00 J -3045830.53 -3045830.25 -3045829.96 0.0137 0.0014
 Jupiter -13036-09-28 01:55 J -3039705.62 -3039705.42 -3039705.20 0.0501 0.0279
 Neptune -13034-07-20 17:02 J -3039045.06 -3039044.79 -3039044.49 0.0088 0.0022
 Neptune -13032-06-13 12:57 J -3038351.20 -3038350.96 -3038350.72 0.0088 0.0049
 Saturn -13009-01-25 01:55 J -3030090.69 -3030090.42 -3030090.14 0.0265 0.0017

Uranus -13008-03-06 03:07 J -3029684.70 -3029684.37 -3029684.03 0.0142 0.0016

13TH MILLENNIUM BCE

This is a list of transits of Mars in the 13th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-12971-07-10 14:38 J		-3016044.02	-3016043.89	-3016043.74	0.0526	0.0459	
Uranus	-12970-09-15 12:57 J		-3015612.15	-3015611.96	-3015611.77	0.0137	0.0102	
Uranus	-12968-08-15 09:50 J		-3014912.32	-3014912.09	-3014911.83	0.0136	0.0073	
Jupiter	-12953-06-15 18:14 J		-3009493.95	-3009493.74	-3009493.53	0.0500	0.0278	
Neptune	-12952-04-16 17:31 J		-3009189.01	-3009188.77	-3009188.48	0.0089	0.0055	
Neptune	-12950-03-13 17:02 J		-3008493.09	-3008492.79	-3008492.46	0.0089	0.0030	
Saturn	-12937-05-31 01:40 J		-3003665.59	-3003665.43	-3003665.25	0.0299	0.0249	
Jupiter	-12935-04-17 12:57 J		-3002979.25	-3002978.96	-3002978.66	0.0525	0.0007	
Uranus	-12924-10-31 08:52 J		-2998764.42	-2998764.13	-2998763.83	0.0142	0.0067	
Saturn	-12921-06-20 16:04 J		-2997801.10	-2997800.83	-2997800.56	0.0265	0.0065	
Jupiter	-12917-03-19 11:45 J		-2996433.27	-2996433.01	-2996432.75	0.0500	0.0022	
Jupiter	-12899-01-23 17:31 J		-2989913.92	-2989913.77	-2989913.62	0.0524	0.0449	
Uranus	-12885-05-09 17:45 J		-2984694.03	-2984693.76	-2984693.49	0.0137	0.0042	
Uranus	-12883-04-09 12:57 J		-2983994.01	-2983993.96	-2983993.87	0.0136	0.0131	
Jupiter	-12882-12-22 11:16 J		-2983372.22	-2983372.03	-2983371.83	0.0501	0.0325	
Pluto	-12871-08-20 12:28 J		-2979478.26	-2979477.98	-2979477.66	0.0066	0.0031	
Neptune	-12870-03-05 01:55 J		-2979281.62	-2979281.42	-2979281.17	0.0088	0.0057	
Neptune	-12868-01-27 00:14 J		-2978587.77	-2978587.49	-2978587.19	0.0088	0.0015	

Neptune	-12867-12-21 20:09 J	-2977893.71	-2977893.66	-2977893.57	0.0088	0.0085
Saturn	-12849-10-26 06:43 J	-2971375.50	-2971375.22	-2971374.93	0.0299	0.0115
Uranus	-12841-07-21 12:00 J	-2968550.24	-2968550.00	-2968549.70	0.0141	0.0083
Saturn	-12833-11-14 20:52 J	-2965511.87	-2965511.63	-2965511.40	0.0265	0.0135
Jupiter	-12817-10-02 15:07 J	-2959711.05	-2959710.87	-2959710.68	0.0526	0.0403
Uranus	-12800-01-02 01:55 J	-2953775.69	-2953775.42	-2953775.12	0.0137	0.0020
Jupiter	-12799-09-09 05:31 J	-2953160.50	-2953160.27	-2953160.03	0.0500	0.0228
Neptune	-12787-10-25 13:26 J	-2948731.26	-2948730.94	-2948730.60	0.0089	0.0012
Neptune	-12785-09-20 13:11 J	-2948035.12	-2948034.95	-2948034.74	0.0089	0.0074
Pluto	-12783-01-17 22:33 J	-2947550.77	-2947550.56	-2947550.30	0.0078	0.0048
Jupiter	-12781-07-11 02:09 J	-2946645.70	-2946645.41	-2946645.12	0.0525	0.0062
Jupiter	-12763-06-13 06:57 J	-2940099.47	-2940099.21	-2940098.96	0.0501	0.0081
Saturn	-12760-03-22 09:07 J	-2939086.43	-2939086.12	-2939085.81	0.0299	0.0029
Uranus	-12756-03-17 20:52 J	-2937629.97	-2937629.63	-2937629.30	0.0142	0.0002
Saturn	-12744-04-10 09:21 J	-2933223.30	-2933223.11	-2933222.90	0.0265	0.0180
Jupiter	-12727-03-17 04:19 J	-2927038.48	-2927038.32	-2927038.15	0.0502	0.0382
Uranus	-12718-09-27 13:55 J	-2923557.12	-2923556.92	-2923556.70	0.0137	0.0095
Uranus	-12716-08-27 10:19 J	-2922857.30	-2922857.07	-2922856.84	0.0136	0.0080
Neptune	-12705-09-11 11:45 J	-2918824.30	-2918824.01	-2918823.72	0.0088	0.0020
Neptune	-12703-08-06 08:52 J	-2918130.36	-2918130.13	-2918129.87	0.0088	0.0051
Saturn	-12686-07-20 00:43 J	-2911938.55	-2911938.47	-2911938.38	0.0263	0.0249
Jupiter	-12680-03-01 08:24 J	-2909887.23	-2909887.15	-2909887.04	0.0500	0.0463
Saturn	-12672-08-15 05:02 J	-2906798.60	-2906798.29	-2906797.97	0.0299	0.0013
Uranus	-12672-11-12 01:26 J	-2906709.68	-2906709.44	-2906709.15	0.0142	0.0084
Jupiter	-12663-12-28 09:50 J	-2903376.33	-2903376.09	-2903375.84	0.0525	0.0291
Saturn	-12656-09-03 13:26 J	-2900935.09	-2900934.94	-2900934.76	0.0264	0.0211
Jupiter	-12645-12-03 13:26 J	-2896826.18	-2896825.94	-2896825.69	0.0501	0.0150
Uranus	-12633-05-22 00:00 J	-2892638.77	-2892638.50	-2892638.21	0.0137	0.0033
Jupiter	-12627-10-05 17:45 J	-2890311.03	-2890310.76	-2890310.48	0.0525	0.0175
Neptune	-12623-06-08 11:02 J	-2888969.30	-2888969.04	-2888968.76	0.0089	0.0053

Pluto -12623-11-27 06:43 J -2888797.43 -2888797.22 -2888796.95 0.0066 0.0047
 Neptune -12621-05-04 09:21 J -2888273.40 -2888273.11 -2888272.77 0.0089 0.0033
 Jupiter -12609-09-06 13:40 J -2883765.17 -2883764.93 -2883764.68 0.0501 0.0157
 Saturn -12598-12-13 01:26 J -2879650.57 -2879650.44 -2879650.28 0.0262 0.0224
 Uranus -12589-08-01 18:57 J -2876495.99 -2876495.71 -2876495.41 0.0141 0.0072
 Saturn -12583-01-07 04:04 J -2874511.64 -2874511.33 -2874511.01 0.0300 0.0012
 Jupiter -12573-06-10 22:19 J -2870703.64 -2870703.57 -2870703.49 0.0502 0.0478
 Saturn -12567-01-27 08:52 J -2868647.27 -2868647.13 -2868646.99 0.0264 0.0226
 Uranus -12548-01-14 08:52 J -2861720.41 -2861720.13 -2861719.85 0.0136 0.0027
 Neptune -12541-04-26 23:02 J -2859060.77 -2859060.54 -2859060.30 0.0088 0.0055
 Neptune -12539-03-21 20:24 J -2858366.93 -2858366.65 -2858366.35 0.0088 0.0017
 Neptune -12537-02-13 18:00 J -2857672.75 -2857672.75 -2857672.75 0.0088 0.0088
 Pluto -12535-04-27 06:57 J -2856869.49 -2856869.21 -2856868.93 0.0078 0.0023
 Jupiter -12526-05-26 23:45 J -2853552.68 -2853552.51 -2853552.33 0.0500 0.0371
 Saturn -12509-05-06 20:52 J -2847362.79 -2847362.63 -2847362.46 0.0262 0.0209
 Jupiter -12508-03-24 16:04 J -2847041.11 -2847040.83 -2847040.55 0.0525 0.0154
 Uranus -12504-03-28 13:40 J -2845576.26 -2845575.93 -2845575.59 0.0142 0.0005
 Saturn -12495-05-31 14:52 J -2842225.19 -2842224.88 -2842224.57 0.0300 0.0007
 Jupiter -12490-02-28 00:57 J -2840491.71 -2840491.46 -2840491.20 0.0501 0.0062
 Saturn -12479-06-22 09:07 J -2836359.21 -2836359.12 -2836359.02 0.0263 0.0246
 Jupiter -12473-12-31 10:48 J -2833975.27 -2833975.05 -2833974.82 0.0524 0.0331
 Uranus -12466-10-09 15:35 J -2831502.05 -2831501.85 -2831501.62 0.0137 0.0088
 Uranus -12464-09-08 12:43 J -2830802.17 -2830801.97 -2830801.73 0.0136 0.0086
 Neptune -12458-12-17 08:09 J -2828511.48 -2828511.16 -2828510.81 0.0089 0.0010
 Neptune -12456-11-12 07:11 J -2827815.34 -2827815.20 -2827815.00 0.0089 0.0077
 Jupiter -12455-12-02 12:57 J -2827430.18 -2827429.96 -2827429.74 0.0501 0.0265
 Saturn -12421-09-30 02:09 J -2815074.61 -2815074.41 -2815074.21 0.0261 0.0183
 Uranus -12420-11-22 11:02 J -2814656.29 -2814656.04 -2814655.75 0.0142 0.0083
 Saturn -12407-10-23 09:50 J -2809938.40 -2809938.09 -2809937.78 0.0301 0.0019
 Jupiter -12390-09-11 14:52 J -2803770.99 -2803770.88 -2803770.76 0.0525 0.0479

Uranus	-12381-06-02 18:57 J	-2800583.99	-2800583.71	-2800583.43	0.0137	0.0030
Neptune	-12376-11-04 09:35 J	-2798603.38	-2798603.10	-2798602.80	0.0088	0.0018
Pluto	-12374-03-06 01:55 J	-2798116.54	-2798116.42	-2798116.25	0.0066	0.0059
Neptune	-12374-09-29 06:14 J	-2797909.45	-2797909.24	-2797908.98	0.0088	0.0054
Jupiter	-12372-08-20 07:55 J	-2797218.38	-2797218.17	-2797217.95	0.0500	0.0285
Jupiter	-12354-06-20 05:31 J	-2790705.57	-2790705.27	-2790704.98	0.0524	0.0006
Uranus	-12337-08-12 08:52 J	-2784442.41	-2784442.13	-2784441.82	0.0141	0.0069
Jupiter	-12336-05-24 18:00 J	-2784157.01	-2784156.75	-2784156.50	0.0501	0.0040
Saturn	-12332-02-23 11:45 J	-2782786.23	-2782786.01	-2782785.77	0.0261	0.0148
Saturn	-12318-03-17 22:33 J	-2777650.87	-2777650.56	-2777650.24	0.0300	0.0003
Jupiter	-12318-03-28 16:04 J	-2777639.94	-2777639.83	-2777639.69	0.0524	0.0473
Jupiter	-12300-02-25 13:11 J	-2771096.13	-2771095.95	-2771095.76	0.0502	0.0346
Uranus	-12296-01-25 23:45 J	-2769665.78	-2769665.51	-2769665.22	0.0137	0.0029
Neptune	-12294-07-31 07:26 J	-2768749.43	-2768749.19	-2768748.89	0.0089	0.0051
Neptune	-12292-06-26 05:02 J	-2768053.57	-2768053.29	-2768052.96	0.0089	0.0036
Pluto	-12287-08-04 18:28 J	-2766188.02	-2766187.73	-2766187.43	0.0078	0.0009
Uranus	-12252-04-08 13:55 J	-2753522.25	-2753521.92	-2753521.58	0.0142	0.0014
Saturn	-12244-07-20 12:57 J	-2750497.21	-2750496.96	-2750496.69	0.0262	0.0092
Jupiter	-12236-12-06 06:00 J	-2747436.45	-2747436.25	-2747436.03	0.0525	0.0359
Saturn	-12230-08-11 17:31 J	-2745362.07	-2745361.77	-2745361.46	0.0301	0.0070
Jupiter	-12218-11-14 11:16 J	-2740884.27	-2740884.03	-2740883.79	0.0500	0.0205
Uranus	-12214-10-21 09:35 J	-2739447.30	-2739447.10	-2739446.85	0.0137	0.0086
Neptune	-12212-06-19 19:40 J	-2738839.89	-2738839.68	-2738839.42	0.0088	0.0053
Uranus	-12212-09-20 05:16 J	-2738747.47	-2738747.28	-2738747.04	0.0136	0.0089
Neptune	-12210-05-14 19:55 J	-2738145.96	-2738145.67	-2738145.38	0.0088	0.0019
Jupiter	-12200-09-13 06:57 J	-2734371.49	-2734371.21	-2734370.92	0.0525	0.0102
Jupiter	-12182-08-18 04:19 J	-2727823.57	-2727823.32	-2727823.06	0.0501	0.0098
Uranus	-12170-12-28 14:52 J	-2723307.95	-2723307.88	-2723307.77	0.0141	0.0135
Uranus	-12168-12-03 18:57 J	-2722601.95	-2722601.71	-2722601.45	0.0142	0.0095
Saturn	-12156-12-14 23:02 J	-2718207.81	-2718207.54	-2718207.26	0.0262	0.0019

Jupiter -12146-05-22 05:31 J -2714762.41 -2714762.27 -2714762.12 0.0502 0.0409
 Saturn -12141-01-06 18:00 J -2713071.98 -2713071.75 -2713071.50 0.0300 0.0191
 Uranus -12129-06-14 19:11 J -2708528.97 -2708528.70 -2708528.41 0.0137 0.0024
 Neptune -12128-02-07 05:02 J -2708291.61 -2708291.29 -2708290.95 0.0089 0.0007
 Neptune -12126-01-04 02:24 J -2707595.52 -2707595.40 -2707595.22 0.0089 0.0080
 Pluto -12126-06-13 06:57 J -2707435.38 -2707435.21 -2707434.96 0.0066 0.0052
 Jupiter -12099-05-05 15:35 J -2697611.92 -2697611.85 -2697611.75 0.0500 0.0470
 Uranus -12085-08-23 15:21 J -2692388.16 -2692387.86 -2692387.55 0.0141 0.0057
 Jupiter -12081-02-29 05:31 J -2691103.51 -2691103.27 -2691103.03 0.0526 0.0300
 Saturn -12067-05-11 14:09 J -2685918.17 -2685917.91 -2685917.63 0.0263 0.0066
 Jupiter -12063-02-06 11:02 J -2684551.29 -2684551.04 -2684550.79 0.0500 0.0165
 Neptune -12047-12-28 05:45 J -2678382.54 -2678382.26 -2678381.95 0.0088 0.0016
 Uranus -12046-03-10 07:40 J -2678310.19 -2678310.18 -2678310.12 0.0137 0.0137
 Jupiter -12046-12-07 02:38 J -2678038.66 -2678038.39 -2678038.10 0.0524 0.0152
 Neptune -12045-11-21 05:02 J -2677688.49 -2677688.29 -2677688.04 0.0088 0.0057
 Uranus -12044-02-07 06:00 J -2677610.52 -2677610.25 -2677609.97 0.0137 0.0037
 Pluto -12039-11-12 14:24 J -2675506.18 -2675505.90 -2675505.60 0.0078 0.0018
 Jupiter -12028-11-10 12:14 J -2671490.24 -2671489.99 -2671489.74 0.0501 0.0145

12TH MILLENNIUM BCE

This is a list of transits of Mars in the 12th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-12000-04-19	11:31 J	-2661468.34	-2661468.02	-2661467.68	0.0142	0.0020	

Jupiter	-11992-08-14 06:14 J	-2658429.34	-2658429.24	-2658429.11	0.0502	0.0445
Saturn	-11979-10-06 03:50 J	-2653628.55	-2653628.34	-2653628.10	0.0263	0.0150
Neptune	-11965-09-21 04:33 J	-2648529.57	-2648529.31	-2648529.01	0.0089	0.0048
Neptune	-11963-08-18 02:09 J	-2647833.71	-2647833.41	-2647833.11	0.0089	0.0038
Uranus	-11962-11-02 17:45 J	-2647391.99	-2647391.76	-2647391.52	0.0137	0.0076
Uranus	-11960-10-02 13:26 J	-2646692.12	-2646691.94	-2646691.71	0.0136	0.0097
Jupiter	-11945-07-28 18:28 J	-2641278.85	-2641278.73	-2641278.59	0.0499	0.0430
Jupiter	-11927-05-24 05:02 J	-2634770.54	-2634770.29	-2634770.03	0.0525	0.0252
Saturn	-11920-01-14 12:43 J	-2632343.05	-2632342.97	-2632342.89	0.0261	0.0248
Uranus	-11917-01-08 01:40 J	-2631254.50	-2631254.43	-2631254.29	0.0141	0.0135
Uranus	-11916-12-14 06:28 J	-2630548.46	-2630548.23	-2630547.97	0.0142	0.0096
Jupiter	-11909-05-01 20:38 J	-2628217.89	-2628217.64	-2628217.39	0.0500	0.0118
Saturn	-11906-01-31 07:26 J	-2627213.34	-2627213.19	-2627213.00	0.0301	0.0250
Jupiter	-11891-03-01 03:35 J	-2621705.62	-2621705.35	-2621705.08	0.0525	0.0207
Saturn	-11890-03-02 08:24 J	-2621339.28	-2621339.15	-2621338.98	0.0263	0.0220
Neptune	-11883-08-12 16:33 J	-2618619.03	-2618618.81	-2618618.54	0.0088	0.0051
Neptune	-11881-07-06 15:35 J	-2617925.13	-2617924.85	-2617924.55	0.0088	0.0022
Pluto	-11878-09-20 14:24 J	-2616754.16	-2616753.90	-2616753.60	0.0066	0.0038
Uranus	-11877-06-26 22:48 J	-2616473.83	-2616473.55	-2616473.26	0.0137	0.0017
Jupiter	-11873-02-03 18:28 J	-2615156.97	-2615156.73	-2615156.49	0.0501	0.0186
Jupiter	-11838-11-07 21:50 J	-2602095.59	-2602095.59	-2602095.59	0.0502	0.0502
Uranus	-11833-09-02 23:31 J	-2600334.81	-2600334.52	-2600334.19	0.0141	0.0057
Saturn	-11832-06-10 09:07 J	-2600054.29	-2600054.12	-2600053.91	0.0261	0.0192
Saturn	-11818-06-27 08:38 J	-2594924.39	-2594924.14	-2594923.86	0.0302	0.0159
Neptune	-11801-05-05 05:16 J	-2588767.31	-2588767.28	-2588767.24	0.0089	0.0089
Neptune	-11799-03-31 23:45 J	-2588071.83	-2588071.51	-2588071.17	0.0089	0.0005
Neptune	-11797-02-25 20:52 J	-2587375.74	-2587375.63	-2587375.48	0.0089	0.0082
Uranus	-11794-03-22 04:48 J	-2586255.36	-2586255.30	-2586255.20	0.0138	0.0132
Uranus	-11792-02-19 02:52 J	-2585555.64	-2585555.38	-2585555.10	0.0137	0.0042
Jupiter	-11791-10-22 15:21 J	-2584945.02	-2584944.86	-2584944.67	0.0500	0.0369

Pluto	-11790-02-20 17:16 J	-2584823.99	-2584823.78	-2584823.52	0.0078	0.0047
Jupiter	-11773-08-17 02:09 J	-2578436.69	-2578436.41	-2578436.13	0.0525	0.0167
Jupiter	-11755-07-26 17:02 J	-2571884.04	-2571883.79	-2571883.53	0.0501	0.0057
Uranus	-11748-04-30 03:50 J	-2569414.67	-2569414.34	-2569414.01	0.0142	0.0025
Saturn	-11744-11-03 19:40 J	-2567765.90	-2567765.68	-2567765.45	0.0260	0.0151
Jupiter	-11737-05-25 11:31 J	-2565371.25	-2565371.02	-2565370.78	0.0524	0.0310
Saturn	-11730-11-20 02:24 J	-2562636.67	-2562636.40	-2562636.11	0.0302	0.0131
Neptune	-11719-03-28 00:14 J	-2558855.51	-2558855.49	-2558855.44	0.0088	0.0087
Jupiter	-11719-04-30 02:52 J	-2558822.59	-2558822.38	-2558822.16	0.0501	0.0272
Neptune	-11717-02-20 01:26 J	-2558161.72	-2558161.44	-2558161.13	0.0088	0.0014
Neptune	-11715-01-14 00:14 J	-2557467.70	-2557467.49	-2557467.26	0.0088	0.0059
Uranus	-11710-11-14 12:57 J	-2555337.20	-2555336.96	-2555336.71	0.0137	0.0071
Uranus	-11708-10-14 08:09 J	-2554637.32	-2554637.16	-2554636.94	0.0136	0.0102
Uranus	-11665-01-19 06:00 J	-2539200.40	-2539200.25	-2539200.06	0.0141	0.0121
Uranus	-11664-12-25 10:48 J	-2538494.24	-2538494.05	-2538493.81	0.0142	0.0108
Saturn	-11655-03-29 16:48 J	-2535478.03	-2535477.80	-2535477.55	0.0260	0.0132
Jupiter	-11654-02-03 23:31 J	-2535166.59	-2535166.52	-2535166.42	0.0526	0.0502
Saturn	-11641-04-12 19:26 J	-2530349.95	-2530349.69	-2530349.41	0.0302	0.0140
Jupiter	-11636-01-15 23:16 J	-2528610.74	-2528610.53	-2528610.31	0.0501	0.0284
Neptune	-11636-11-12 23:45 J	-2528309.78	-2528309.51	-2528309.22	0.0089	0.0046
Neptune	-11634-10-09 18:57 J	-2527613.99	-2527613.71	-2527613.40	0.0089	0.0040
Pluto	-11630-12-29 08:24 J	-2526072.49	-2526072.15	-2526071.81	0.0066	0.0003
Uranus	-11625-07-08 23:02 J	-2524418.82	-2524418.54	-2524418.25	0.0137	0.0009
Jupiter	-11619-11-12 12:57 J	-2522101.25	-2522100.96	-2522100.67	0.0524	0.0018
Jupiter	-11601-10-20 14:38 J	-2515549.15	-2515548.89	-2515548.63	0.0501	0.0052
Jupiter	-11583-08-21 02:38 J	-2509035.52	-2509035.39	-2509035.25	0.0524	0.0464
Uranus	-11581-09-14 12:14 J	-2508280.30	-2508279.99	-2508279.66	0.0141	0.0040
Saturn	-11567-08-22 15:35 J	-2503190.10	-2503189.85	-2503189.60	0.0260	0.0115
Jupiter	-11565-07-24 16:33 J	-2502487.98	-2502487.81	-2502487.63	0.0502	0.0371
Neptune	-11554-10-05 08:52 J	-2498398.36	-2498398.13	-2498397.86	0.0088	0.0050

Saturn	-11553-09-04 04:19 J	-2498063.57	-2498063.32	-2498063.06	0.0303	0.0170
Neptune	-11552-08-29 10:04 J	-2497704.37	-2497704.08	-2497703.79	0.0088	0.0023
Uranus	-11542-04-03 13:40 J	-2494200.06	-2494199.93	-2494199.77	0.0137	0.0119
Uranus	-11540-03-03 11:45 J	-2493500.26	-2493500.01	-2493499.73	0.0136	0.0054
Jupiter	-11500-05-01 20:38 J	-2478830.87	-2478830.64	-2478830.42	0.0525	0.0335
Uranus	-11496-05-11 14:38 J	-2477360.19	-2477359.89	-2477359.55	0.0142	0.0040
Jupiter	-11482-04-12 22:19 J	-2472275.81	-2472275.57	-2472275.32	0.0501	0.0171
Saturn	-11478-01-15 13:55 J	-2470902.17	-2470901.92	-2470901.65	0.0260	0.0097
Neptune	-11472-06-26 23:16 J	-2468547.57	-2468547.53	-2468547.45	0.0089	0.0088
Neptune	-11470-05-23 17:02 J	-2467852.12	-2467851.79	-2467851.46	0.0089	0.0003
Neptune	-11468-04-18 12:14 J	-2467156.11	-2467155.99	-2467155.86	0.0089	0.0083
Saturn	-11464-01-26 20:24 J	-2465776.88	-2465776.65	-2465776.39	0.0303	0.0186
Jupiter	-11464-02-07 04:19 J	-2465765.60	-2465765.32	-2465765.04	0.0524	0.0141
Uranus	-11458-11-27 04:48 J	-2463281.56	-2463281.30	-2463281.04	0.0137	0.0055
Uranus	-11456-10-27 00:43 J	-2462581.61	-2462581.47	-2462581.31	0.0136	0.0115
Jupiter	-11446-01-14 23:31 J	-2459214.77	-2459214.52	-2459214.27	0.0502	0.0147
Uranus	-11413-01-30 09:21 J	-2447146.31	-2447146.11	-2447145.91	0.0141	0.0112
Uranus	-11411-01-05 13:55 J	-2446440.08	-2446439.92	-2446439.71	0.0142	0.0117
Jupiter	-11411-10-19 09:35 J	-2446153.17	-2446153.10	-2446153.01	0.0502	0.0475
Neptune	-11390-05-20 14:24 J	-2438634.92	-2438634.90	-2438634.87	0.0088	0.0087
Saturn	-11390-06-11 02:09 J	-2438613.68	-2438613.41	-2438613.13	0.0260	0.0060
Neptune	-11388-04-13 15:50 J	-2437941.14	-2437940.84	-2437940.54	0.0088	0.0013
Neptune	-11386-03-08 15:50 J	-2437247.04	-2437246.84	-2437246.60	0.0088	0.0060
Pluto	-11381-04-07 03:50 J	-2435390.57	-2435390.34	-2435390.03	0.0066	0.0041
Saturn	-11376-06-21 09:50 J	-2433489.34	-2433489.09	-2433488.82	0.0303	0.0167
Uranus	-11373-07-21 16:04 J	-2432363.12	-2432362.83	-2432362.55	0.0137	0.0006
Jupiter	-11364-10-02 21:07 J	-2429002.77	-2429002.62	-2429002.47	0.0500	0.0408
Jupiter	-11346-07-27 16:48 J	-2422496.07	-2422495.80	-2422495.53	0.0525	0.0204
Uranus	-11329-09-25 05:02 J	-2416226.61	-2416226.29	-2416225.96	0.0141	0.0036
Jupiter	-11328-07-06 19:40 J	-2415941.93	-2415941.68	-2415941.42	0.0501	0.0094

Jupiter	-11310-05-04 15:21 J	-2409431.11	-2409430.86	-2409430.60	0.0524	0.0260
Neptune	-11306-01-04 14:52 J	-2408090.14	-2408089.88	-2408089.58	0.0089	0.0045
Neptune	-11305-11-30 08:38 J	-2407394.41	-2407394.14	-2407393.82	0.0089	0.0041
Saturn	-11302-11-05 01:11 J	-2406324.73	-2406324.45	-2406324.17	0.0260	0.0004
Jupiter	-11292-04-10 02:52 J	-2402880.61	-2402880.38	-2402880.15	0.0501	0.0232
Uranus	-11290-04-16 00:57 J	-2402144.62	-2402144.46	-2402144.26	0.0137	0.0107
Uranus	-11288-03-15 23:02 J	-2401444.77	-2401444.54	-2401444.27	0.0137	0.0066
Saturn	-11288-11-15 08:09 J	-2401200.45	-2401200.16	-2401199.86	0.0302	0.0091
Uranus	-11244-05-22 07:26 J	-2385306.50	-2385306.19	-2385305.86	0.0142	0.0044
Neptune	-11225-11-26 20:24 J	-2378177.88	-2378177.65	-2378177.39	0.0088	0.0051
Neptune	-11223-10-21 21:07 J	-2377483.89	-2377483.62	-2377483.31	0.0088	0.0023
Saturn	-11213-03-31 11:45 J	-2374035.27	-2374035.01	-2374034.74	0.0261	0.0072
Jupiter	-11210-12-27 04:19 J	-2372669.50	-2372669.32	-2372669.13	0.0500	0.0355
Uranus	-11206-12-09 10:19 J	-2371226.33	-2371226.07	-2371225.79	0.0137	0.0045
Uranus	-11204-11-08 05:31 J	-2370526.37	-2370526.27	-2370526.14	0.0136	0.0125
Saturn	-11199-04-12 08:52 J	-2368910.44	-2368910.13	-2368909.82	0.0302	0.0036
Jupiter	-11192-10-20 02:38 J	-2366162.66	-2366162.39	-2366162.10	0.0525	0.0131
Jupiter	-11174-09-30 09:21 J	-2359608.37	-2359608.11	-2359607.85	0.0501	0.0034
Uranus	-11161-02-10 09:35 J	-2355092.31	-2355092.10	-2355091.85	0.0141	0.0101
Uranus	-11159-01-16 12:57 J	-2354386.09	-2354385.96	-2354385.79	0.0142	0.0127
Jupiter	-11156-07-27 23:02 J	-2353097.76	-2353097.54	-2353097.31	0.0525	0.0333
Neptune	-11143-08-18 12:14 J	-2348328.00	-2348327.99	-2348327.92	0.0089	0.0089
Neptune	-11141-07-14 05:16 J	-2347632.61	-2347632.28	-2347631.95	0.0089	0.0003
Neptune	-11139-06-09 23:31 J	-2346936.62	-2346936.52	-2346936.37	0.0089	0.0083
Jupiter	-11138-07-04 05:31 J	-2346547.48	-2346547.27	-2346547.04	0.0501	0.0274
Saturn	-11125-08-26 02:09 J	-2341745.62	-2341745.41	-2341745.18	0.0261	0.0157
Uranus	-11121-08-02 20:52 J	-2340307.91	-2340307.63	-2340307.34	0.0137	0.0017
Saturn	-11111-09-08 05:02 J	-2336619.53	-2336619.29	-2336619.05	0.0302	0.0192
Uranus	-11077-10-06 19:26 J	-2324172.02	-2324171.69	-2324171.35	0.0141	0.0018
Saturn	-11067-12-05 14:24 J	-2320460.01	-2320459.90	-2320459.77	0.0260	0.0233

Neptune	-11059-06-06 00:57 J	-2317720.75	-2317720.46	-2317720.15	0.0088	0.0015
Neptune	-11057-04-30 00:43 J	-2317026.66	-2317026.47	-2317026.22	0.0088	0.0059
Jupiter	-11055-03-21 09:35 J	-2316336.30	-2316336.10	-2316335.89	0.0500	0.0311
Uranus	-11038-04-28 12:43 J	-2310089.18	-2310088.97	-2310088.75	0.0138	0.0092
Jupiter	-11037-01-12 20:09 J	-2309829.94	-2309829.66	-2309829.37	0.0526	0.0086
Saturn	-11036-01-20 15:21 J	-2309455.96	-2309455.86	-2309455.74	0.0261	0.0240
Uranus	-11036-03-28 11:02 J	-2309389.27	-2309389.04	-2309388.81	0.0137	0.0079
Jupiter	-11020-12-23 09:07 J	-2303275.38	-2303275.12	-2303274.86	0.0501	0.0002
Jupiter	-11002-10-20 12:28 J	-2296765.19	-2296764.98	-2296764.78	0.0524	0.0371

11TH MILLENNIUM BCE

This is a list of transits of Mars in the 11th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-10992-06-03 02:09 J	-2293251.69	-2293251.41	-2293251.09	0.0142	0.0064		
Jupiter	-10984-09-26 11:02 J	-2290214.23	-2290214.04	-2290213.83	0.0501	0.0318		
Saturn	-10978-05-01 21:50 J	-2288170.80	-2288170.59	-2288170.36	0.0260	0.0158		
Neptune	-10977-02-26 00:28 J	-2287870.74	-2287870.48	-2287870.18	0.0089	0.0048		
Neptune	-10975-01-21 16:48 J	-2287175.07	-2287174.80	-2287174.48	0.0089	0.0039		
Uranus	-10954-12-22 07:11 J	-2279170.48	-2279170.20	-2279169.92	0.0137	0.0027		
Jupiter	-10919-06-30 09:50 J	-2266561.19	-2266561.09	-2266560.96	0.0526	0.0480		
Uranus	-10909-02-22 06:00 J	-2263037.51	-2263037.25	-2263036.96	0.0141	0.0082		
Jupiter	-10901-06-13 18:14 J	-2260002.96	-2260002.74	-2260002.51	0.0500	0.0266		
Neptune	-10895-01-18 23:45 J	-2257957.72	-2257957.51	-2257957.24	0.0088	0.0055		

Neptune	-10894-12-14 03:35 J	-2257263.63	-2257263.35	-2257263.04	0.0088	0.0020
Saturn	-10890-09-25 19:55 J	-2255881.93	-2255881.67	-2255881.41	0.0259	0.0099
Jupiter	-10883-04-07 08:38 J	-2253496.43	-2253496.14	-2253495.85	0.0525	0.0012
Uranus	-10871-09-15 23:31 J	-2248951.55	-2248951.52	-2248951.46	0.0138	0.0136
Uranus	-10869-08-15 23:45 J	-2248251.79	-2248251.51	-2248251.23	0.0137	0.0036
Jupiter	-10865-03-18 04:33 J	-2246941.57	-2246941.31	-2246941.05	0.0501	0.0067
Jupiter	-10847-01-13 12:28 J	-2240431.11	-2240430.98	-2240430.84	0.0524	0.0462
Jupiter	-10830-12-21 08:24 J	-2233880.30	-2233880.15	-2233879.98	0.0502	0.0390
Uranus	-10825-10-18 05:02 J	-2232117.62	-2232117.29	-2232116.96	0.0141	0.0006
Neptune	-10812-09-04 12:00 J	-2227413.33	-2227413.00	-2227412.67	0.0089	0.0007
Neptune	-10810-08-01 04:19 J	-2226717.44	-2226717.32	-2226717.15	0.0089	0.0080
Saturn	-10801-02-19 04:48 J	-2223593.56	-2223593.30	-2223593.02	0.0259	0.0060
Pluto	-10799-05-07 12:28 J	-2222785.25	-2222784.98	-2222784.69	0.0078	0.0024
Saturn	-10787-02-23 18:28 J	-2218474.78	-2218474.73	-2218474.68	0.0304	0.0299
Uranus	-10786-05-11 15:07 J	-2218033.09	-2218032.87	-2218032.61	0.0138	0.0073
Uranus	-10784-04-10 12:57 J	-2217333.15	-2217332.96	-2217332.76	0.0137	0.0098
Jupiter	-10765-09-24 05:31 J	-2210226.47	-2210226.27	-2210226.05	0.0525	0.0354
Jupiter	-10747-09-08 07:40 J	-2203668.42	-2203668.18	-2203667.93	0.0500	0.0170
Uranus	-10740-06-14 08:38 J	-2201197.41	-2201197.14	-2201196.84	0.0142	0.0074
Neptune	-10730-07-29 02:24 J	-2197500.69	-2197500.40	-2197500.10	0.0088	0.0019
Jupiter	-10729-07-02 10:04 J	-2197161.36	-2197161.08	-2197160.80	0.0524	0.0123
Neptune	-10728-06-22 04:19 J	-2196806.53	-2196806.32	-2196806.06	0.0088	0.0055
Saturn	-10713-07-14 09:21 J	-2191305.38	-2191305.11	-2191304.82	0.0259	0.0034
Jupiter	-10711-06-12 12:43 J	-2190607.21	-2190606.97	-2190606.72	0.0502	0.0159
Uranus	-10701-01-04 02:52 J	-2187114.66	-2187114.38	-2187114.09	0.0137	0.0011
Jupiter	-10675-03-17 02:09 J	-2177545.44	-2177545.41	-2177545.37	0.0502	0.0496
Uranus	-10657-03-04 11:45 J	-2170983.28	-2170983.01	-2170982.70	0.0141	0.0071
Neptune	-10648-04-18 03:21 J	-2167651.60	-2167651.36	-2167651.07	0.0089	0.0053
Neptune	-10646-03-14 19:40 J	-2166955.97	-2166955.68	-2166955.37	0.0089	0.0034
Pluto	-10638-03-13 06:14 J	-2164035.56	-2164035.24	-2164034.88	0.0066	0.0011

Jupiter	-10628-02-28 12:57 J	-2160395.11	-2160394.96	-2160394.80	0.0500	0.0397
Saturn	-10625-12-07 07:11 J	-2159017.48	-2159017.20	-2159016.91	0.0259	0.0017
Uranus	-10619-09-28 14:09 J	-2156896.03	-2156895.91	-2156895.76	0.0138	0.0121
Uranus	-10617-08-28 14:38 J	-2156196.16	-2156195.89	-2156195.63	0.0137	0.0052
Jupiter	-10611-12-20 19:55 J	-2153890.94	-2153890.67	-2153890.40	0.0525	0.0196
Jupiter	-10593-12-02 19:55 J	-2147333.93	-2147333.67	-2147333.41	0.0501	0.0067
Jupiter	-10575-09-27 23:16 J	-2140825.77	-2140825.53	-2140825.28	0.0524	0.0286
Uranus	-10573-10-30 01:40 J	-2140062.76	-2140062.43	-2140062.09	0.0141	0.0014
Neptune	-10566-03-12 23:45 J	-2137737.71	-2137737.51	-2137737.27	0.0088	0.0060
Neptune	-10564-02-04 02:38 J	-2137043.68	-2137043.39	-2137043.09	0.0088	0.0015
Jupiter	-10557-09-06 11:16 J	-2134272.24	-2134272.03	-2134271.81	0.0502	0.0275
Saturn	-10536-05-02 09:50 J	-2126729.37	-2126729.09	-2126728.80	0.0259	0.0008
Uranus	-10534-05-24 06:14 J	-2125977.50	-2125977.24	-2125976.97	0.0138	0.0056
Uranus	-10532-04-23 05:16 J	-2125277.44	-2125277.28	-2125277.13	0.0137	0.0114
Jupiter	-10492-06-09 03:07 J	-2110620.40	-2110620.37	-2110620.31	0.0526	0.0519
Uranus	-10490-07-21 13:40 J	-2109848.05	-2109847.93	-2109847.75	0.0141	0.0126
Uranus	-10488-06-26 13:55 J	-2109142.14	-2109141.92	-2109141.65	0.0142	0.0098
Neptune	-10483-10-26 10:48 J	-2107194.38	-2107194.05	-2107193.73	0.0089	0.0013
Neptune	-10481-09-21 02:38 J	-2106498.55	-2106498.39	-2106498.17	0.0089	0.0074
Jupiter	-10474-05-25 19:55 J	-2104060.88	-2104060.67	-2104060.46	0.0500	0.0303
Jupiter	-10456-03-17 00:14 J	-2097555.77	-2097555.49	-2097555.20	0.0525	0.0049
Uranus	-10449-01-17 02:52 J	-2095058.66	-2095058.38	-2095058.09	0.0137	0.0010
Saturn	-10448-09-25 18:00 J	-2094441.02	-2094440.75	-2094440.47	0.0259	0.0040
Jupiter	-10438-02-27 10:19 J	-2090999.33	-2090999.07	-2090998.81	0.0501	0.0038
Jupiter	-10421-12-23 05:31 J	-2084490.42	-2084490.27	-2084490.10	0.0524	0.0437
Uranus	-10405-03-17 03:50 J	-2078927.65	-2078927.34	-2078927.01	0.0141	0.0042
Jupiter	-10403-12-01 13:40 J	-2077938.10	-2077937.93	-2077937.74	0.0502	0.0361
Neptune	-10401-09-19 00:14 J	-2077280.77	-2077280.49	-2077280.19	0.0088	0.0026
Neptune	-10399-08-14 02:24 J	-2076586.64	-2076586.40	-2076586.14	0.0088	0.0049
Uranus	-10367-10-11 22:04 J	-2064839.76	-2064839.58	-2064839.36	0.0138	0.0097

Uranus	-10365-09-10 23:16 J	-2064139.76	-2064139.53	-2064139.28	0.0137	0.0075
Saturn	-10359-02-19 16:19 J	-2062152.08	-2062151.82	-2062151.55	0.0259	0.0097
Saturn	-10345-02-20 09:50 J	-2057038.25	-2057038.09	-2057037.91	0.0304	0.0253
Jupiter	-10338-09-03 09:07 J	-2054286.29	-2054286.12	-2054285.94	0.0525	0.0414
Uranus	-10321-11-11 11:02 J	-2048007.36	-2048007.04	-2048006.71	0.0141	0.0038
Jupiter	-10320-08-18 20:38 J	-2047726.87	-2047726.64	-2047726.40	0.0500	0.0224
Neptune	-10319-06-09 01:55 J	-2047432.66	-2047432.42	-2047432.18	0.0089	0.0060
Neptune	-10317-05-04 15:21 J	-2046737.17	-2046736.86	-2046736.54	0.0089	0.0026
Jupiter	-10302-06-11 01:40 J	-2041221.72	-2041221.43	-2041221.14	0.0525	0.0053
Jupiter	-10284-05-22 21:35 J	-2034665.86	-2034665.60	-2034665.34	0.0501	0.0095
Uranus	-10282-06-06 19:26 J	-2033920.96	-2033920.69	-2033920.41	0.0138	0.0031
Saturn	-10271-07-16 23:16 J	-2029862.73	-2029862.53	-2029862.30	0.0259	0.0170
Jupiter	-10266-03-18 09:50 J	-2028157.15	-2028157.09	-2028157.00	0.0524	0.0506
Saturn	-10257-07-17 15:35 J	-2024748.12	-2024747.85	-2024747.56	0.0303	0.0121
Jupiter	-10248-02-23 20:24 J	-2021604.79	-2021604.65	-2021604.50	0.0501	0.0413
Uranus	-10238-08-02 18:43 J	-2017792.92	-2017792.72	-2017792.47	0.0141	0.0104
Neptune	-10237-05-03 18:43 J	-2017517.90	-2017517.72	-2017517.51	0.0088	0.0067
Uranus	-10236-07-08 17:45 J	-2017086.93	-2017086.76	-2017086.56	0.0142	0.0118
Neptune	-10235-03-28 23:31 J	-2016823.81	-2016823.52	-2016823.21	0.0088	0.0009
Neptune	-10233-02-21 00:57 J	-2016129.52	-2016129.46	-2016129.33	0.0088	0.0084
Saturn	-10213-10-25 09:50 J	-2008577.22	-2008577.09	-2008576.93	0.0259	0.0220
Uranus	-10197-01-30 12:28 J	-2003002.24	-2003001.98	-2003001.69	0.0137	0.0034
Jupiter	-10184-11-26 08:09 J	-1997953.36	-1997953.16	-1997952.95	0.0526	0.0361
Saturn	-10183-12-11 16:33 J	-1997572.81	-1997572.81	-1997572.78	0.0260	0.0260
Saturn	-10169-12-13 09:21 J	-1992457.41	-1992457.11	-1992456.80	0.0303	0.0042
Jupiter	-10166-11-11 21:07 J	-1991393.87	-1991393.62	-1991393.38	0.0500	0.0189
Neptune	-10154-12-17 05:02 J	-1986975.60	-1986975.29	-1986974.97	0.0089	0.0022
Uranus	-10153-03-28 23:31 J	-1986872.85	-1986872.52	-1986872.19	0.0141	0.0025
Neptune	-10152-11-11 18:28 J	-1986279.93	-1986279.73	-1986279.48	0.0089	0.0065
Jupiter	-10148-09-02 15:35 J	-1984889.13	-1984888.85	-1984888.56	0.0525	0.0094

Pluto	-10144-11-08 13:26 J	-1983361.15	-1983360.94	-1983360.66	0.0066	0.0048
Jupiter	-10130-08-16 00:14 J	-1978332.74	-1978332.49	-1978332.24	0.0500	0.0137
Saturn	-10124-03-22 02:09 J	-1976287.64	-1976287.41	-1976287.15	0.0259	0.0131
Uranus	-10115-10-24 23:02 J	-1972783.76	-1972783.54	-1972783.29	0.0138	0.0077
Uranus	-10113-09-23 23:31 J	-1972083.70	-1972083.52	-1972083.29	0.0137	0.0096
Jupiter	-10094-05-20 02:38 J	-1965271.48	-1965271.39	-1965271.28	0.0502	0.0462
Saturn	-10080-05-11 00:43 J	-1960166.71	-1960166.47	-1960166.24	0.0303	0.0192
Neptune	-10072-11-10 18:14 J	-1957061.00	-1957060.74	-1957060.44	0.0088	0.0033
Neptune	-10070-10-05 22:19 J	-1956366.81	-1956366.57	-1956366.28	0.0088	0.0043
Uranus	-10069-11-23 11:31 J	-1955952.32	-1955952.02	-1955951.72	0.0141	0.0059
Pluto	-10056-04-16 00:00 J	-1951425.62	-1951425.50	-1951425.31	0.0078	0.0067
Jupiter	-10047-05-02 18:57 J	-1948121.79	-1948121.71	-1948121.63	0.0500	0.0473
Saturn	-10036-08-16 11:45 J	-1943998.29	-1943998.01	-1943997.73	0.0259	0.0053
Uranus	-10030-06-19 14:24 J	-1941865.19	-1941864.90	-1941864.62	0.0138	0.0012
Jupiter	-10029-02-19 06:28 J	-1941620.46	-1941620.23	-1941619.99	0.0525	0.0308
Jupiter	-10011-02-04 06:00 J	-1935060.50	-1935060.25	-1935059.99	0.0500	0.0135

10TH MILLENNIUM BCE

This is a list of transits of Mars in the 10th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-9994-11-26 22:47 J	-1928555.82	-1928555.55	-1928555.27	0.0525	0.0158		
Neptune	-9990-07-30 19:12 J	-1927213.88	-1927213.70	-1927213.48	0.0089	0.0070		
Neptune	-9988-06-25 08:09 J	-1926518.47	-1926518.16	-1926517.83	0.0089	0.0017		

Uranus	-9986-08-15 04:19 J	-1925737.58	-1925737.32	-1925737.03	0.0140	0.0077
Jupiter	-9976-11-08 11:02 J	-1921999.28	-1921999.04	-1921998.79	0.0501	0.0195
Saturn	-9947-01-10 09:07 J	-1911709.40	-1911709.12	-1911708.83	0.0259	0.0008
Uranus	-9947-03-14 02:24 J	-1911646.52	-1911646.40	-1911646.24	0.0139	0.0122
Uranus	-9945-02-12 07:12 J	-1910946.45	-1910946.20	-1910945.92	0.0138	0.0052
Neptune	-9908-06-25 13:40 J	-1897298.09	-1897297.93	-1897297.77	0.0088	0.0074
Neptune	-9906-05-20 18:14 J	-1896604.05	-1896603.74	-1896603.44	0.0088	0.0002
Neptune	-9904-04-13 21:21 J	-1895909.74	-1895909.61	-1895909.45	0.0088	0.0077
Uranus	-9901-04-10 19:40 J	-1894817.01	-1894816.68	-1894816.34	0.0141	0.0008
Jupiter	-9893-07-26 20:52 J	-1891787.79	-1891787.63	-1891787.46	0.0500	0.0392
Jupiter	-9875-05-15 13:26 J	-1885286.20	-1885285.94	-1885285.67	0.0525	0.0202
Uranus	-9863-11-07 01:12 J	-1880727.70	-1880727.45	-1880727.17	0.0138	0.0055
Uranus	-9861-10-07 03:35 J	-1880027.48	-1880027.35	-1880027.18	0.0137	0.0117
Saturn	-9859-06-05 19:40 J	-1879420.96	-1879420.68	-1879420.40	0.0258	0.0044
Jupiter	-9857-04-30 04:19 J	-1878726.58	-1878726.32	-1878726.06	0.0501	0.0056
Jupiter	-9839-02-20 09:50 J	-1872221.32	-1872221.09	-1872220.83	0.0524	0.0282
Neptune	-9824-02-05 20:38 J	-1866756.92	-1866756.64	-1866756.31	0.0089	0.0033
Neptune	-9822-01-02 10:04 J	-1866061.32	-1866061.08	-1866060.80	0.0089	0.0055
Jupiter	-9821-02-02 20:24 J	-1865664.86	-1865664.65	-1865664.44	0.0501	0.0291
Uranus	-9819-12-31 14:38 J	-1864602.02	-1864601.89	-1864601.74	0.0140	0.0126
Uranus	-9817-12-06 08:52 J	-1863896.38	-1863896.13	-1863895.87	0.0141	0.0090
Uranus	-9778-07-02 21:50 J	-1849808.87	-1849808.59	-1849808.30	0.0138	0.0011
Saturn	-9771-10-29 19:40 J	-1847132.96	-1847132.68	-1847132.41	0.0258	0.0066
Jupiter	-9757-11-02 00:43 J	-1842015.48	-1842015.47	-1842015.44	0.0526	0.0525
Neptune	-9742-01-02 13:40 J	-1836841.18	-1836840.93	-1836840.64	0.0088	0.0040
Neptune	-9741-11-26 18:28 J	-1836146.99	-1836146.73	-1836146.43	0.0088	0.0037
Jupiter	-9739-10-21 05:16 J	-1835453.49	-1835453.28	-1835453.06	0.0500	0.0293
Uranus	-9734-08-27 21:07 J	-1833681.91	-1833681.62	-1833681.29	0.0140	0.0048
Jupiter	-9721-08-09 22:04 J	-1828950.87	-1828950.58	-1828950.29	0.0525	0.0044
Jupiter	-9703-07-26 01:55 J	-1822391.68	-1822391.42	-1822391.16	0.0501	0.0063

Uranus	-9695-03-27 12:14 J	-1819590.17	-1819589.99	-1819589.76	0.0139	0.0097
Uranus	-9693-02-25 17:16 J	-1818890.01	-1818889.78	-1818889.53	0.0138	0.0076
Jupiter	-9685-05-18 06:28 J	-1815885.37	-1815885.23	-1815885.09	0.0524	0.0456
Saturn	-9682-03-24 18:43 J	-1814844.98	-1814844.72	-1814844.45	0.0258	0.0086
Jupiter	-9667-04-29 11:02 J	-1809330.18	-1809330.04	-1809329.87	0.0502	0.0402
Neptune	-9661-09-19 13:26 J	-1806995.05	-1806994.94	-1806994.75	0.0089	0.0080
Neptune	-9659-08-16 01:12 J	-1806299.77	-1806299.45	-1806299.13	0.0089	0.0007
Uranus	-9649-04-23 00:57 J	-1802761.78	-1802761.46	-1802761.13	0.0140	0.0031
Pluto	-9649-07-08 12:28 J	-1802685.32	-1802684.98	-1802684.63	0.0066	0.0002
Uranus	-9611-11-20 01:40 J	-1788671.70	-1788671.43	-1788671.14	0.0138	0.0034
Uranus	-9609-10-20 03:50 J	-1787971.36	-1787971.34	-1787971.31	0.0137	0.0137
Jupiter	-9602-01-28 13:26 J	-1785680.14	-1785679.94	-1785679.73	0.0525	0.0363
Saturn	-9594-08-17 18:57 J	-1782556.96	-1782556.71	-1782556.45	0.0258	0.0107
Jupiter	-9584-01-15 03:07 J	-1779118.62	-1779118.37	-1779118.12	0.0500	0.0173
Neptune	-9579-08-17 07:55 J	-1777078.26	-1777078.17	-1777078.02	0.0088	0.0081
Neptune	-9577-07-11 15:50 J	-1776384.15	-1776383.84	-1776383.54	0.0088	0.0004
Neptune	-9575-06-05 19:26 J	-1775689.84	-1775689.69	-1775689.50	0.0088	0.0072
Jupiter	-9567-11-05 14:52 J	-1772615.16	-1772614.88	-1772614.60	0.0525	0.0127
Uranus	-9566-01-12 14:38 J	-1772547.08	-1772546.89	-1772546.64	0.0140	0.0105
Uranus	-9565-12-18 07:12 J	-1771841.39	-1771841.20	-1771840.97	0.0141	0.0110
Jupiter	-9549-10-19 12:14 J	-1766057.23	-1766056.99	-1766056.73	0.0501	0.0166
Uranus	-9526-07-15 13:26 J	-1757753.22	-1757752.94	-1757752.66	0.0138	0.0029
Jupiter	-9513-07-23 16:33 J	-1752995.84	-1752995.81	-1752995.77	0.0502	0.0496
Saturn	-9505-01-11 07:26 J	-1750268.42	-1750268.19	-1750267.96	0.0258	0.0148
Neptune	-9495-03-29 18:00 J	-1746538.02	-1746537.75	-1746537.45	0.0089	0.0041
Neptune	-9493-02-23 05:16 J	-1745842.55	-1745842.28	-1745841.99	0.0089	0.0046
Uranus	-9482-09-08 22:47 J	-1741626.87	-1741626.55	-1741626.22	0.0140	0.0024
Jupiter	-9466-07-07 17:16 J	-1735845.91	-1735845.78	-1735845.64	0.0500	0.0429
Jupiter	-9448-04-24 08:24 J	-1729345.40	-1729345.15	-1729344.89	0.0526	0.0232
Uranus	-9443-04-08 17:02 J	-1727534.99	-1727534.79	-1727534.54	0.0139	0.0084

Uranus	-9441-03-09 00:00 J	-1726834.71	-1726834.50	-1726834.28	0.0138	0.0089
Jupiter	-9430-04-11 00:43 J	-1722784.73	-1722784.47	-1722784.21	0.0500	0.0095
Saturn	-9417-06-06 01:40 J	-1717979.59	-1717979.43	-1717979.24	0.0259	0.0203
Neptune	-9413-02-24 11:02 J	-1716621.28	-1716621.04	-1716620.75	0.0088	0.0044
Jupiter	-9412-01-29 13:40 J	-1716281.18	-1716280.93	-1716280.66	0.0525	0.0229
Neptune	-9411-01-18 18:00 J	-1715927.01	-1715926.75	-1715926.45	0.0088	0.0033
Uranus	-9397-05-05 09:07 J	-1710706.43	-1710706.12	-1710705.82	0.0140	0.0057
Jupiter	-9394-01-13 05:16 J	-1709723.51	-1709723.28	-1709723.05	0.0501	0.0237
Saturn	-9359-09-15 01:26 J	-1696694.61	-1696694.44	-1696694.25	0.0258	0.0201
Uranus	-9359-12-02 11:31 J	-1696616.31	-1696616.02	-1696615.74	0.0139	0.0019
Neptune	-9332-11-10 13:55 J	-1686775.96	-1686775.92	-1686775.80	0.0089	0.0087
Neptune	-9330-10-07 00:57 J	-1686080.78	-1686080.46	-1686080.13	0.0089	0.0002
Neptune	-9328-09-01 12:00 J	-1685385.05	-1685385.00	-1685384.88	0.0089	0.0087
Pluto	-9315-05-06 16:19 J	-1680755.05	-1680754.82	-1680754.53	0.0078	0.0035
Saturn	-9315-10-23 04:47 J	-1680585.40	-1680585.30	-1680585.16	0.0304	0.0279
Uranus	-9314-01-25 04:33 J	-1680491.57	-1680491.31	-1680491.01	0.0140	0.0076
Uranus	-9313-12-30 20:38 J	-1679785.67	-1679785.64	-1679785.57	0.0141	0.0139
Jupiter	-9312-09-30 00:14 J	-1679512.66	-1679512.49	-1679512.32	0.0499	0.0380
Jupiter	-9294-07-18 09:21 J	-1673012.38	-1673012.11	-1673011.84	0.0526	0.0172
Jupiter	-9276-07-04 06:43 J	-1666451.48	-1666451.22	-1666450.95	0.0500	0.0045
Uranus	-9276-08-26 18:00 J	-1666397.82	-1666397.75	-1666397.62	0.0139	0.0131
Uranus	-9274-07-28 03:35 J	-1665697.62	-1665697.35	-1665697.07	0.0138	0.0044
Saturn	-9270-02-09 14:52 J	-1664405.13	-1664404.88	-1664404.62	0.0259	0.0114
Jupiter	-9258-04-24 19:55 J	-1659947.91	-1659947.67	-1659947.43	0.0525	0.0294
Neptune	-9250-10-09 08:09 J	-1656858.20	-1656858.16	-1656858.04	0.0088	0.0085
Neptune	-9248-09-02 15:50 J	-1656164.14	-1656163.84	-1656163.53	0.0088	0.0007
Neptune	-9246-07-28 21:07 J	-1655469.77	-1655469.62	-1655469.40	0.0088	0.0070
Jupiter	-9240-04-07 12:57 J	-1653390.17	-1653389.96	-1653389.74	0.0501	0.0293
Uranus	-9230-09-21 10:19 J	-1649571.40	-1649571.07	-1649570.73	0.0140	0.0003
Saturn	-9226-03-20 23:16 J	-1648294.80	-1648294.53	-1648294.25	0.0304	0.0123

Uranus	-9191-04-21 14:38 J	-1635479.12	-1635478.89	-1635478.61	0.0139	0.0065
Uranus	-9189-03-21 21:21 J	-1634778.78	-1634778.61	-1634778.42	0.0138	0.0107
Saturn	-9182-07-07 04:19 J	-1632115.60	-1632115.32	-1632115.03	0.0259	0.0030
Neptune	-9166-05-20 22:47 J	-1626318.80	-1626318.55	-1626318.25	0.0089	0.0046
Neptune	-9164-04-15 09:35 J	-1625623.38	-1625623.10	-1625622.81	0.0089	0.0041
Jupiter	-9158-12-24 03:50 J	-1623179.53	-1623179.34	-1623179.14	0.0499	0.0333
Uranus	-9147-06-12 00:57 J	-1619356.56	-1619356.46	-1619356.35	0.0139	0.0132
Uranus	-9145-05-17 11:45 J	-1618651.26	-1618651.01	-1618650.71	0.0140	0.0079
Jupiter	-9140-10-10 07:55 J	-1616679.45	-1616679.17	-1616678.89	0.0526	0.0121
Saturn	-9138-08-16 13:55 J	-1616004.22	-1616003.92	-1616003.62	0.0304	0.0033
Jupiter	-9122-09-27 10:33 J	-1610118.33	-1610118.06	-1610117.80	0.0500	0.0006
Uranus	-9107-12-15 05:45 J	-1604560.54	-1604560.26	-1604559.97	0.0139	0.0003
Jupiter	-9104-07-17 14:52 J	-1603615.09	-1603614.88	-1603614.67	0.0525	0.0351
Saturn	-9094-12-01 15:50 J	-1599826.11	-1599825.84	-1599825.55	0.0259	0.0052
Jupiter	-9086-07-01 18:57 J	-1597056.89	-1597056.71	-1597056.51	0.0501	0.0345
Neptune	-9084-04-17 15:07 J	-1596401.13	-1596400.87	-1596400.61	0.0088	0.0046
Neptune	-9082-03-12 21:35 J	-1595706.87	-1595706.60	-1595706.30	0.0088	0.0031
Pluto	-9069-09-25 01:55 J	-1590761.58	-1590761.42	-1590761.19	0.0078	0.0059
Uranus	-9062-02-05 20:52 J	-1588436.93	-1588436.63	-1588436.33	0.0140	0.0059
Saturn	-9049-01-11 04:19 J	-1583714.58	-1583714.32	-1583714.05	0.0304	0.0138
Uranus	-9024-09-08 06:28 J	-1574342.38	-1574342.23	-1574342.06	0.0139	0.0115
Uranus	-9022-08-09 15:07 J	-1573642.12	-1573641.87	-1573641.60	0.0138	0.0058
Jupiter	-9021-03-28 14:24 J	-1573409.98	-1573409.90	-1573409.82	0.0526	0.0503
Saturn	-9005-04-26 15:50 J	-1567537.09	-1567536.84	-1567536.57	0.0258	0.0113
Jupiter	-9003-03-18 14:09 J	-1566846.13	-1566845.91	-1566845.68	0.0500	0.0270
Neptune	-9002-01-02 01:40 J	-1566556.43	-1566556.43	-1566556.38	0.0089	0.0089
Neptune	-9001-11-27 09:21 J	-1565861.43	-1565861.11	-1565860.78	0.0089	0.0004

9TH MILLENNIUM BCE

This is a list of transits of Mars in the 9th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-8999-10-23 19:12 J		-1565165.77	-1565165.70	-1565165.54	0.0089	0.0084	
Jupiter	-8985-01-04 00:00 J		-1560345.78	-1560345.50	-1560345.21	0.0525	0.0029	
Uranus	-8978-10-02 20:09 J		-1557516.98	-1557516.66	-1557516.32	0.0140	0.0017	
Jupiter	-8968-12-21 08:24 J		-1553784.41	-1553784.15	-1553783.89	0.0500	0.0085	
Saturn	-8961-06-05 17:16 J		-1551426.00	-1551425.78	-1551425.55	0.0304	0.0199	
Jupiter	-8950-10-11 23:31 J		-1547280.64	-1547280.52	-1547280.38	0.0524	0.0467	
Uranus	-8939-05-03 13:40 J		-1543424.18	-1543423.93	-1543423.65	0.0139	0.0056	
Uranus	-8937-04-02 21:07 J		-1542723.77	-1542723.62	-1542723.47	0.0138	0.0116	
Jupiter	-8932-09-24 18:28 J		-1540722.85	-1540722.73	-1540722.59	0.0501	0.0431	
Neptune	-8921-11-30 12:28 J		-1536638.01	-1536637.98	-1536637.89	0.0088	0.0086	
Neptune	-8919-10-25 22:47 J		-1535943.85	-1535943.55	-1535943.24	0.0088	0.0008	
Neptune	-8917-09-19 04:47 J		-1535249.45	-1535249.30	-1535249.08	0.0088	0.0070	
Saturn	-8917-09-20 03:50 J		-1535248.57	-1535248.34	-1535248.11	0.0258	0.0153	
Uranus	-8895-06-23 12:43 J		-1527302.12	-1527301.97	-1527301.75	0.0139	0.0116	
Uranus	-8893-05-28 22:04 J		-1526596.82	-1526596.58	-1526596.33	0.0140	0.0094	
Saturn	-8873-10-28 20:38 J		-1519138.85	-1519138.64	-1519138.39	0.0305	0.0199	
Jupiter	-8867-06-23 10:04 J		-1517075.28	-1517075.08	-1517074.87	0.0526	0.0364	
Uranus	-8855-12-27 01:40 J		-1512505.72	-1512505.43	-1512505.15	0.0139	0.0005	
Jupiter	-8849-06-12 05:02 J		-1510511.54	-1510511.29	-1510511.04	0.0500	0.0160	
Neptune	-8837-07-11 15:07 J		-1506099.13	-1506098.87	-1506098.58	0.0089	0.0047	
Neptune	-8835-06-06 23:02 J		-1505403.82	-1505403.54	-1505403.24	0.0089	0.0040	
Jupiter	-8831-03-31 09:21 J		-1504010.38	-1504010.11	-1504009.83	0.0525	0.0133	

Saturn	-8828-02-13 06:28 J	-1502960.43	-1502960.23	-1502960.02	0.0258	0.0179
Jupiter	-8813-03-16 18:14 J	-1497449.97	-1497449.74	-1497449.49	0.0501	0.0192
Uranus	-8810-02-17 15:07 J	-1496382.17	-1496381.87	-1496381.53	0.0140	0.0040
Saturn	-8784-03-22 16:04 J	-1486852.07	-1486851.83	-1486851.58	0.0304	0.0180
Uranus	-8772-09-20 02:38 J	-1482287.55	-1482287.39	-1482287.19	0.0139	0.0109
Uranus	-8770-08-21 13:12 J	-1481587.18	-1481586.95	-1481586.68	0.0138	0.0066
Neptune	-8755-06-09 21:50 J	-1476180.85	-1476180.59	-1476180.32	0.0088	0.0046
Neptune	-8753-05-04 06:28 J	-1475486.50	-1475486.23	-1475485.92	0.0088	0.0032
Saturn	-8740-07-09 01:40 J	-1470672.61	-1470672.43	-1470672.23	0.0258	0.0194
Jupiter	-8731-12-03 04:19 J	-1467238.47	-1467238.32	-1467238.15	0.0499	0.0402
Uranus	-8726-10-14 17:45 J	-1465462.07	-1465461.76	-1465461.42	0.0140	0.0037
Jupiter	-8713-09-18 05:02 J	-1460739.55	-1460739.29	-1460739.02	0.0526	0.0189
Saturn	-8696-08-14 01:26 J	-1454565.69	-1454565.44	-1454565.17	0.0305	0.0149
Jupiter	-8695-09-06 19:26 J	-1454176.95	-1454176.69	-1454176.42	0.0500	0.0048
Uranus	-8687-05-15 20:38 J	-1451368.90	-1451368.64	-1451368.36	0.0139	0.0045
Uranus	-8685-04-15 03:35 J	-1450668.44	-1450668.35	-1450668.21	0.0138	0.0126
Saturn	-8682-10-17 00:00 J	-1449388.56	-1449388.50	-1449388.41	0.0258	0.0249
Jupiter	-8677-06-25 13:26 J	-1447675.18	-1447674.94	-1447674.70	0.0525	0.0287
Neptune	-8673-02-23 21:50 J	-1446336.60	-1446336.59	-1446336.51	0.0089	0.0089
Neptune	-8671-01-19 05:16 J	-1445641.60	-1445641.28	-1445640.96	0.0089	0.0003
Neptune	-8670-12-15 13:26 J	-1444946.04	-1444945.94	-1444945.82	0.0089	0.0084
Pluto	-8662-12-18 01:55 J	-1442021.68	-1442021.42	-1442021.11	0.0067	0.0037
Jupiter	-8659-06-11 06:14 J	-1441115.45	-1441115.24	-1441115.02	0.0501	0.0300
Saturn	-8652-12-02 03:50 J	-1438384.48	-1438384.34	-1438384.18	0.0258	0.0220
Uranus	-8643-07-05 09:07 J	-1435247.35	-1435247.12	-1435246.87	0.0139	0.0097
Uranus	-8641-06-09 18:28 J	-1434541.90	-1434541.73	-1434541.50	0.0140	0.0113
Saturn	-8607-01-06 10:19 J	-1422278.33	-1422278.07	-1422277.81	0.0304	0.0156
Uranus	-8602-01-08 12:28 J	-1420450.27	-1420449.98	-1420449.69	0.0139	0.0017
Jupiter	-8594-03-08 18:28 J	-1417468.74	-1417468.73	-1417468.69	0.0527	0.0524
Saturn	-8593-03-11 05:31 J	-1417100.41	-1417100.27	-1417100.09	0.0259	0.0215

Neptune	-8591-01-22 21:35 J	-1416417.65	-1416417.60	-1416417.50	0.0088	0.0085
Neptune	-8590-12-18 08:24 J	-1415723.45	-1415723.15	-1415722.84	0.0088	0.0006
Neptune	-8588-11-11 16:47 J	-1415028.95	-1415028.80	-1415028.60	0.0088	0.0072
Jupiter	-8576-02-26 12:00 J	-1410904.20	-1410904.00	-1410903.78	0.0500	0.0304
Saturn	-8563-04-27 08:09 J	-1406096.19	-1406096.16	-1406096.09	0.0258	0.0254
Jupiter	-8559-12-13 20:52 J	-1404404.91	-1404404.63	-1404404.34	0.0526	0.0058
Uranus	-8558-03-01 02:52 J	-1404327.70	-1404327.38	-1404327.05	0.0140	0.0026
Jupiter	-8541-12-01 00:28 J	-1397842.75	-1397842.48	-1397842.22	0.0500	0.0046
Jupiter	-8523-09-20 15:35 J	-1391340.00	-1391339.85	-1391339.68	0.0525	0.0434
Uranus	-8520-10-02 13:40 J	-1390232.12	-1390231.93	-1390231.70	0.0139	0.0095
Saturn	-8519-06-01 12:43 J	-1389990.19	-1389989.97	-1389989.74	0.0304	0.0202
Uranus	-8518-09-02 23:16 J	-1389531.76	-1389531.53	-1389531.28	0.0138	0.0077
Neptune	-8508-09-02 13:55 J	-1385879.18	-1385878.92	-1385878.62	0.0089	0.0045
Neptune	-8506-07-29 21:07 J	-1385183.88	-1385183.62	-1385183.31	0.0089	0.0043
Saturn	-8505-08-04 18:14 J	-1384811.95	-1384811.74	-1384811.51	0.0259	0.0169
Jupiter	-8505-09-04 17:02 J	-1384780.94	-1384780.79	-1384780.63	0.0501	0.0404
Uranus	-8474-10-25 20:09 J	-1373407.96	-1373407.66	-1373407.34	0.0140	0.0046
Jupiter	-8440-06-01 13:26 J	-1361135.09	-1361134.94	-1361134.78	0.0526	0.0434
Uranus	-8435-05-27 21:07 J	-1359313.89	-1359313.62	-1359313.33	0.0139	0.0036
Uranus	-8433-04-27 04:47 J	-1358613.34	-1358613.30	-1358613.21	0.0138	0.0134
Neptune	-8426-08-02 09:50 J	-1355960.35	-1355960.09	-1355959.82	0.0088	0.0044
Neptune	-8424-06-26 18:43 J	-1355265.98	-1355265.72	-1355265.41	0.0088	0.0035
Jupiter	-8422-05-23 04:33 J	-1354570.54	-1354570.31	-1354570.07	0.0499	0.0233
Saturn	-8417-12-30 00:57 J	-1352522.72	-1352522.46	-1352522.18	0.0259	0.0092
Pluto	-8415-05-08 10:33 J	-1352028.39	-1352028.06	-1352027.70	0.0067	0.0004
Jupiter	-8404-03-08 20:09 J	-1348070.95	-1348070.66	-1348070.38	0.0526	0.0038
Uranus	-8391-07-16 08:09 J	-1343193.40	-1343193.16	-1343192.89	0.0139	0.0087
Uranus	-8389-06-20 15:50 J	-1342488.00	-1342487.84	-1342487.66	0.0140	0.0119
Jupiter	-8386-02-24 17:31 J	-1341509.03	-1341508.77	-1341508.51	0.0500	0.0120
Jupiter	-8369-12-13 21:35 J	-1335006.65	-1335006.60	-1335006.53	0.0525	0.0513

Jupiter	-8351-11-28 23:16 J	-1328447.63	-1328447.53	-1328447.43	0.0500	0.0458
Uranus	-8350-01-20 05:31 J	-1328395.56	-1328395.27	-1328394.99	0.0139	0.0023
Neptune	-8344-04-17 00:57 J	-1326116.52	-1326116.46	-1326116.34	0.0089	0.0086
Neptune	-8342-03-13 06:14 J	-1325421.55	-1325421.24	-1325420.91	0.0089	0.0002
Neptune	-8340-02-05 13:26 J	-1324725.97	-1324725.94	-1324725.84	0.0089	0.0088
Saturn	-8328-05-26 12:00 J	-1320233.28	-1320233.00	-1320232.71	0.0259	0.0011
Uranus	-8306-03-12 04:19 J	-1312273.64	-1312273.32	-1312272.98	0.0139	0.0015
Jupiter	-8286-08-25 15:50 J	-1304802.02	-1304801.84	-1304801.63	0.0527	0.0378
Saturn	-8284-06-26 12:14 J	-1304131.11	-1304130.99	-1304130.84	0.0303	0.0266
Jupiter	-8268-08-15 09:07 J	-1298237.37	-1298237.12	-1298236.87	0.0499	0.0181
Uranus	-8268-10-14 01:40 J	-1298177.62	-1298177.43	-1298177.19	0.0139	0.0092
Uranus	-8266-09-14 13:40 J	-1297477.14	-1297476.93	-1297476.68	0.0138	0.0082
Neptune	-8262-03-17 09:35 J	-1296197.19	-1296197.10	-1296196.98	0.0088	0.0083
Neptune	-8260-02-08 22:04 J	-1295502.89	-1295502.58	-1295502.27	0.0088	0.0003
Neptune	-8258-01-04 06:43 J	-1294808.34	-1294808.22	-1294808.03	0.0088	0.0076
Jupiter	-8250-06-01 13:12 J	-1291738.23	-1291737.95	-1291737.67	0.0526	0.0091
Saturn	-8240-10-21 05:31 J	-1287943.54	-1287943.27	-1287943.00	0.0259	0.0082
Jupiter	-8232-05-19 19:40 J	-1285175.93	-1285175.68	-1285175.43	0.0500	0.0168
Uranus	-8222-11-06 03:07 J	-1281353.65	-1281353.37	-1281353.05	0.0140	0.0060
Saturn	-8196-11-21 19:55 J	-1271840.92	-1271840.67	-1271840.39	0.0304	0.0131
Uranus	-8183-06-08 16:19 J	-1267259.09	-1267258.82	-1267258.53	0.0139	0.0030
Neptune	-8179-10-25 17:45 J	-1265659.03	-1265658.76	-1265658.47	0.0089	0.0041
Neptune	-8177-09-19 23:16 J	-1264963.80	-1264963.53	-1264963.25	0.0089	0.0046
Pluto	-8169-09-27 02:52 J	-1262034.72	-1262034.38	-1262034.04	0.0067	0.0010
Saturn	-8151-03-17 13:55 J	-1255654.15	-1255653.92	-1255653.69	0.0259	0.0157
Jupiter	-8149-02-04 00:00 J	-1254965.56	-1254965.50	-1254965.42	0.0499	0.0479
Uranus	-8139-07-27 18:43 J	-1251139.00	-1251138.72	-1251138.44	0.0139	0.0073
Uranus	-8137-07-02 01:55 J	-1250433.50	-1250433.42	-1250433.31	0.0140	0.0134
Jupiter	-8132-11-17 17:02 J	-1248469.01	-1248468.79	-1248468.56	0.0527	0.0309
Jupiter	-8114-11-08 19:55 J	-1241903.93	-1241903.67	-1241903.41	0.0499	0.0116

Saturn	-8107-04-18 11:16 J	-1239551.32	-1239551.03	-1239550.73	0.0303	0.0023
Uranus	-8098-02-01 08:09 J	-1236340.43	-1236340.16	-1236339.87	0.0139	0.0032
Neptune	-8097-09-23 22:19 J	-1235739.83	-1235739.57	-1235739.28	0.0088	0.0041
Jupiter	-8096-08-25 04:04 J	-1235404.59	-1235404.33	-1235404.06	0.0526	0.0179
Neptune	-8095-08-19 10:19 J	-1235045.35	-1235045.07	-1235044.79	0.0088	0.0038
Jupiter	-8078-08-13 07:40 J	-1228842.41	-1228842.18	-1228841.95	0.0500	0.0239
Saturn	-8063-08-11 14:09 J	-1223365.06	-1223364.91	-1223364.76	0.0259	0.0219
Uranus	-8054-03-23 11:45 J	-1220219.34	-1220219.01	-1220218.67	0.0140	0.0003
Saturn	-8019-09-11 16:33 J	-1207263.10	-1207262.81	-1207262.51	0.0304	0.0021
Uranus	-8016-10-26 10:04 J	-1206122.30	-1206122.08	-1206121.82	0.0139	0.0079
Neptune	-8015-06-09 06:14 J	-1205896.34	-1205896.24	-1205896.08	0.0089	0.0082
Uranus	-8014-09-26 20:52 J	-1205421.84	-1205421.63	-1205421.41	0.0138	0.0092
Neptune	-8013-05-04 11:16 J	-1205201.35	-1205201.03	-1205200.71	0.0089	0.0005
Saturn	-8005-11-18 15:50 J	-1202080.98	-1202080.84	-1202080.67	0.0259	0.0218

8TH MILLENNIUM BCE

This is a list of transits of Mars in the 8th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Jupiter	-7995-04-30 03:07 J	-1198631.53	-1198631.37	-1198631.19	0.0499	0.0385		
Jupiter	-7977-02-12 08:24 J	-1192134.41	-1192134.15	-1192133.88	0.0526	0.0176		
Uranus	-7972-12-11 23:31 J	-1190004.58	-1190004.52	-1190004.43	0.0139	0.0135		
Uranus	-7970-11-17 01:12 J	-1189299.72	-1189299.45	-1189299.13	0.0140	0.0067		
Jupiter	-7959-02-01 19:55 J	-1185569.94	-1185569.67	-1185569.40	0.0500	0.0023		

Jupiter	-7942-11-19 10:47 J	-1179070.28	-1179070.05	-1179069.82	0.0526	0.0301
Neptune	-7933-05-08 23:02 J	-1175976.65	-1175976.54	-1175976.38	0.0088	0.0079
Neptune	-7931-04-03 11:16 J	-1175282.33	-1175282.03	-1175281.71	0.0088	0.0002
Uranus	-7931-06-20 21:35 J	-1175203.88	-1175203.60	-1175203.31	0.0139	0.0019
Saturn	-7930-02-04 05:45 J	-1174975.55	-1174975.26	-1174974.96	0.0304	0.0034
Neptune	-7929-02-26 21:21 J	-1174587.71	-1174587.61	-1174587.46	0.0088	0.0080
Jupiter	-7924-11-06 09:21 J	-1172508.31	-1172508.11	-1172507.91	0.0500	0.0334
Pluto	-7922-02-17 00:43 J	-1172040.79	-1172040.47	-1172040.11	0.0067	0.0014
Saturn	-7916-04-13 23:16 J	-1169792.73	-1169792.53	-1169792.32	0.0259	0.0183
Uranus	-7887-08-07 10:19 J	-1159085.35	-1159085.07	-1159084.77	0.0139	0.0067
Uranus	-7885-07-12 14:38 J	-1158379.92	-1158379.89	-1158379.79	0.0140	0.0138
Jupiter	-7859-08-02 06:57 J	-1148863.28	-1148863.21	-1148863.12	0.0527	0.0502
Neptune	-7850-12-17 22:04 J	-1145438.86	-1145438.58	-1145438.28	0.0089	0.0037
Uranus	-7848-03-14 13:55 J	-1144986.00	-1144985.92	-1144985.83	0.0140	0.0133
Neptune	-7848-11-12 03:07 J	-1144743.64	-1144743.37	-1144743.11	0.0089	0.0050
Uranus	-7846-02-13 04:47 J	-1144285.56	-1144285.30	-1144285.01	0.0139	0.0040
Saturn	-7842-06-28 19:12 J	-1142688.99	-1142688.70	-1142688.40	0.0304	0.0007
Jupiter	-7841-07-24 13:40 J	-1142297.14	-1142296.93	-1142296.70	0.0499	0.0275
Saturn	-7828-09-06 19:40 J	-1137504.90	-1137504.68	-1137504.45	0.0259	0.0164
Jupiter	-7823-05-09 07:55 J	-1135799.45	-1135799.17	-1135798.89	0.0526	0.0027
Jupiter	-7805-04-28 06:28 J	-1129235.49	-1129235.23	-1129234.97	0.0500	0.0089
Uranus	-7802-04-03 00:57 J	-1128165.79	-1128165.46	-1128165.12	0.0139	0.0004
Jupiter	-7787-02-14 06:00 J	-1122734.36	-1122734.25	-1122734.15	0.0525	0.0486
Jupiter	-7769-02-01 09:07 J	-1116173.21	-1116173.12	-1116173.03	0.0501	0.0467
Neptune	-7768-11-16 12:43 J	-1115519.24	-1115518.97	-1115518.68	0.0088	0.0037
Neptune	-7766-10-12 00:14 J	-1114824.74	-1114824.49	-1114824.20	0.0088	0.0043
Uranus	-7764-11-06 23:02 J	-1114067.78	-1114067.54	-1114067.29	0.0139	0.0074
Uranus	-7762-10-08 12:00 J	-1113367.20	-1113367.00	-1113366.78	0.0138	0.0097
Saturn	-7754-11-20 19:40 J	-1110401.97	-1110401.68	-1110401.38	0.0303	0.0005
Saturn	-7739-01-30 19:55 J	-1105216.91	-1105216.67	-1105216.42	0.0259	0.0136

Uranus	-7720-12-22 18:57 J	-1097950.83	-1097950.71	-1097950.55	0.0139	0.0125
Uranus	-7718-11-27 19:26 J	-1097245.95	-1097245.69	-1097245.39	0.0140	0.0076
Jupiter	-7705-10-27 06:43 J	-1092528.42	-1092528.22	-1092528.01	0.0527	0.0355
Jupiter	-7687-10-19 01:26 J	-1085962.70	-1085962.44	-1085962.19	0.0499	0.0165
Neptune	-7686-08-01 12:28 J	-1085676.10	-1085675.98	-1085675.78	0.0089	0.0078
Neptune	-7684-06-26 15:07 J	-1084981.19	-1084980.87	-1084980.55	0.0089	0.0009
Uranus	-7679-07-02 10:47 J	-1083149.33	-1083149.05	-1083148.76	0.0139	0.0014
Pluto	-7676-07-09 08:38 J	-1082046.47	-1082046.14	-1082045.78	0.0067	0.0007
Jupiter	-7669-08-03 21:35 J	-1079463.87	-1079463.60	-1079463.33	0.0526	0.0144
Saturn	-7665-04-14 00:57 J	-1078114.75	-1078114.46	-1078114.16	0.0303	0.0004
Saturn	-7651-06-25 18:57 J	-1072928.97	-1072928.71	-1072928.44	0.0259	0.0110
Jupiter	-7651-07-24 01:55 J	-1072900.66	-1072900.42	-1072900.18	0.0500	0.0213
Uranus	-7635-08-18 13:12 J	-1067031.25	-1067030.95	-1067030.64	0.0139	0.0055
Neptune	-7604-07-01 09:35 J	-1055756.22	-1055756.10	-1055755.91	0.0088	0.0076
Neptune	-7602-05-27 00:28 J	-1055061.78	-1055061.48	-1055061.16	0.0088	0.0005
Neptune	-7600-04-20 11:02 J	-1054367.08	-1054367.04	-1054366.92	0.0088	0.0085
Uranus	-7596-03-26 08:52 J	-1052931.23	-1052931.13	-1052930.98	0.0140	0.0126
Uranus	-7594-02-25 01:40 J	-1052230.69	-1052230.43	-1052230.15	0.0139	0.0047
Saturn	-7577-09-07 13:55 J	-1045826.20	-1045825.92	-1045825.63	0.0303	0.0064
Jupiter	-7568-04-09 08:38 J	-1042690.26	-1042690.14	-1042690.01	0.0498	0.0440
Saturn	-7563-11-19 12:00 J	-1040640.28	-1040640.00	-1040639.71	0.0260	0.0053
Jupiter	-7550-01-21 22:33 J	-1036193.82	-1036193.56	-1036193.31	0.0527	0.0230
Uranus	-7550-04-14 07:12 J	-1036111.52	-1036111.20	-1036110.86	0.0140	0.0017
Jupiter	-7532-01-12 06:00 J	-1029628.52	-1029628.25	-1029627.98	0.0499	0.0068
Neptune	-7520-02-08 03:36 J	-1025218.63	-1025218.35	-1025218.04	0.0089	0.0033
Neptune	-7518-01-04 06:14 J	-1024523.49	-1024523.24	-1024522.98	0.0089	0.0054
Jupiter	-7515-10-28 19:55 J	-1023129.92	-1023129.67	-1023129.42	0.0526	0.0252
Uranus	-7512-11-19 04:33 J	-1022012.56	-1022012.31	-1022012.04	0.0139	0.0062
Uranus	-7510-10-20 16:19 J	-1021311.98	-1021311.82	-1021311.62	0.0138	0.0108
Jupiter	-7497-10-16 17:16 J	-1016567.00	-1016566.78	-1016566.56	0.0499	0.0287

Saturn	-7488-02-02 00:14 J	-1013536.72	-1013536.49	-1013536.23	0.0302	0.0172
Saturn	-7474-04-15 10:33 J	-1008351.35	-1008351.06	-1008350.76	0.0260	0.0012
Uranus	-7467-01-03 00:14 J	-1005896.65	-1005896.49	-1005896.28	0.0139	0.0114
Uranus	-7466-12-09 01:12 J	-1005191.69	-1005191.45	-1005191.17	0.0140	0.0087
Neptune	-7438-01-08 22:04 J	-995298.85	-995298.58	-995298.27	0.0088	0.0034
Neptune	-7437-12-03 12:14 J	-994604.23	-994603.99	-994603.70	0.0088	0.0047
Pluto	-7430-11-29 18:14 J	-992052.01	-992051.74	-992051.41	0.0067	0.0032
Uranus	-7427-07-14 21:07 J	-991093.91	-991093.62	-991093.33	0.0139	0.0001
Jupiter	-7414-07-03 20:09 J	-986356.84	-986356.66	-986356.48	0.0498	0.0373
Jupiter	-7396-04-15 23:45 J	-979860.78	-979860.51	-979860.25	0.0527	0.0162
Saturn	-7386-09-10 02:23 J	-976061.66	-976061.40	-976061.12	0.0260	0.0105
Uranus	-7383-08-29 12:00 J	-974977.29	-974977.00	-974976.67	0.0139	0.0046
Jupiter	-7378-04-07 10:33 J	-973295.33	-973295.06	-973294.79	0.0498	0.0013
Jupiter	-7360-01-21 00:14 J	-966796.71	-966796.49	-966796.26	0.0526	0.0319
Neptune	-7357-09-22 16:47 J	-965455.95	-965455.80	-965455.60	0.0089	0.0074
Neptune	-7355-08-18 18:28 J	-964761.03	-964760.73	-964760.40	0.0089	0.0013
Uranus	-7344-04-07 17:16 J	-960875.94	-960875.78	-960875.58	0.0140	0.0111
Jupiter	-7342-01-09 23:31 J	-960233.70	-960233.52	-960233.32	0.0500	0.0349
Uranus	-7342-03-09 10:04 J	-960175.33	-960175.08	-960174.81	0.0139	0.0061
Uranus	-7298-04-25 02:23 J	-944057.72	-944057.40	-944057.07	0.0139	0.0024
Saturn	-7297-02-04 17:02 J	-943771.98	-943771.79	-943771.59	0.0260	0.0190
Neptune	-7275-08-23 18:14 J	-935535.88	-935535.74	-935535.54	0.0088	0.0074
Neptune	-7273-07-18 09:07 J	-934841.42	-934841.12	-934840.80	0.0088	0.0008
Jupiter	-7260-09-26 00:28 J	-930023.69	-930023.48	-930023.27	0.0498	0.0316
Uranus	-7260-12-01 05:45 J	-929957.53	-929957.26	-929956.98	0.0139	0.0050
Uranus	-7258-11-01 19:40 J	-929256.80	-929256.68	-929256.51	0.0138	0.0120
Saturn	-7253-02-29 10:19 J	-927676.22	-927676.07	-927675.91	0.0302	0.0252
Jupiter	-7242-07-10 04:04 J	-923527.60	-923527.33	-923527.05	0.0527	0.0092
Saturn	-7239-05-15 00:43 J	-922487.57	-922487.47	-922487.33	0.0260	0.0235
Jupiter	-7224-06-30 14:52 J	-916962.15	-916961.88	-916961.61	0.0499	0.0049

Uranus	-7215-01-13 21:21 J	-913842.81	-913842.61	-913842.38	0.0139	0.0103
Uranus	-7214-12-19 19:12 J	-913137.91	-913137.70	-913137.43	0.0140	0.0096
Jupiter	-7206-04-15 18:43 J	-910463.91	-910463.72	-910463.52	0.0527	0.0378
Neptune	-7191-04-02 06:00 J	-904998.53	-904998.25	-904997.94	0.0089	0.0030
Neptune	-7189-02-26 07:40 J	-904303.40	-904303.18	-904302.91	0.0089	0.0057
Jupiter	-7188-04-04 00:57 J	-903900.61	-903900.46	-903900.30	0.0500	0.0405
Uranus	-7175-07-26 18:57 J	-899039.00	-899038.71	-899038.42	0.0139	0.0010
Saturn	-7165-07-25 16:47 J	-895387.03	-895386.80	-895386.55	0.0302	0.0166
Saturn	-7151-10-09 07:12 J	-890198.41	-890198.20	-890197.95	0.0260	0.0163
Uranus	-7131-09-09 16:47 J	-882923.11	-882922.80	-882922.47	0.0139	0.0032
Jupiter	-7124-12-27 02:23 J	-880257.52	-880257.40	-880257.27	0.0528	0.0468
Neptune	-7109-03-02 05:02 J	-875078.57	-875078.29	-875077.99	0.0088	0.0032
Neptune	-7107-01-25 18:57 J	-874383.95	-874383.71	-874383.44	0.0088	0.0049
Jupiter	-7106-12-20 13:55 J	-873690.16	-873689.92	-873689.68	0.0499	0.0238
Uranus	-7092-04-19 15:36 J	-868821.04	-868820.85	-868820.64	0.0140	0.0100
Uranus	-7090-03-21 10:33 J	-868120.31	-868120.06	-868119.81	0.0139	0.0071
Jupiter	-7088-10-02 18:00 J	-867194.03	-867193.75	-867193.47	0.0527	0.0006
Saturn	-7077-12-19 05:31 J	-863098.53	-863098.27	-863097.99	0.0302	0.0110
Jupiter	-7070-09-24 06:00 J	-860628.51	-860628.25	-860627.99	0.0499	0.0131
Saturn	-7062-03-05 00:14 J	-857909.75	-857909.49	-857909.22	0.0260	0.0111
Jupiter	-7052-07-10 07:55 J	-854129.22	-854129.17	-854129.12	0.0526	0.0516
Uranus	-7046-05-06 12:57 J	-852003.26	-852002.96	-852002.63	0.0140	0.0039
Neptune	-7028-11-14 18:28 J	-845235.90	-845235.73	-845235.53	0.0089	0.0072
Neptune	-7026-10-10 17:45 J	-844541.06	-844540.76	-844540.43	0.0089	0.0015
Uranus	-7008-12-13 14:23 J	-837902.17	-837901.90	-837901.61	0.0139	0.0036
Uranus	-7006-11-14 04:19 J	-837201.40	-837201.32	-837201.23	0.0138	0.0132

7TH MILLENNIUM BCE

This is a list of transits of Mars in the 7th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-6988-05-13 08:23 J		-830811.41	-830811.15	-830810.87	0.0302	0.0115	
Saturn	-6974-07-29 01:12 J		-825621.72	-825621.45	-825621.16	0.0260	0.0084	
Jupiter	-6969-03-22 15:07 J		-823923.07	-823922.87	-823922.65	0.0527	0.0336	
Uranus	-6963-01-25 14:23 J		-821788.14	-821787.90	-821787.63	0.0139	0.0086	
Uranus	-6962-12-31 11:16 J		-821083.20	-821083.03	-821082.80	0.0140	0.0112	
Jupiter	-6951-03-15 18:28 J		-817355.99	-817355.73	-817355.46	0.0499	0.0132	
Neptune	-6946-10-15 20:52 J		-815315.78	-815315.63	-815315.44	0.0088	0.0073	
Neptune	-6944-09-09 13:55 J		-814621.22	-814620.92	-814620.59	0.0088	0.0009	
Jupiter	-6934-12-29 05:02 J		-810858.55	-810858.29	-810858.02	0.0526	0.0178	
Uranus	-6923-08-08 11:31 J		-806983.30	-806983.02	-806982.73	0.0139	0.0028	
Jupiter	-6916-12-19 03:07 J		-804293.59	-804293.37	-804293.14	0.0500	0.0264	
Saturn	-6900-10-05 11:45 J		-798524.27	-798524.01	-798523.73	0.0302	0.0122	
Saturn	-6886-12-22 00:57 J		-793333.74	-793333.46	-793333.17	0.0260	0.0056	
Uranus	-6879-09-21 05:45 J		-790868.58	-790868.26	-790867.93	0.0139	0.0019	
Neptune	-6862-05-25 05:45 J		-784778.54	-784778.26	-784777.95	0.0089	0.0029	
Neptune	-6860-04-19 04:47 J		-784083.50	-784083.30	-784083.02	0.0089	0.0059	
Pluto	-6851-04-06 22:04 J		-780808.82	-780808.58	-780808.34	0.0078	0.0043	
Uranus	-6840-05-02 13:55 J		-776765.14	-776764.92	-776764.66	0.0140	0.0080	
Uranus	-6838-04-03 07:26 J		-776064.40	-776064.19	-776063.96	0.0139	0.0090	
Jupiter	-6833-09-04 10:47 J		-774083.22	-774083.05	-774082.88	0.0498	0.0392	
Jupiter	-6815-06-18 09:21 J		-767587.37	-767587.11	-767586.84	0.0527	0.0155	
Saturn	-6811-02-27 05:31 J		-766237.52	-766237.27	-766237.01	0.0302	0.0139	

Saturn	-6797-05-15 16:47 J	-761046.09	-761045.80	-761045.50	0.0260	0.0040
Jupiter	-6797-06-09 19:26 J	-761020.96	-761020.69	-761020.42	0.0499	0.0006
Uranus	-6794-05-17 21:50 J	-759948.89	-759948.59	-759948.28	0.0140	0.0052
Neptune	-6780-04-24 04:04 J	-754858.60	-754858.33	-754858.02	0.0088	0.0033
Jupiter	-6779-03-25 10:19 J	-754523.27	-754523.07	-754522.85	0.0527	0.0347
Neptune	-6778-03-19 20:23 J	-754163.89	-754163.65	-754163.37	0.0088	0.0049
Jupiter	-6761-03-14 12:14 J	-747959.16	-747958.99	-747958.81	0.0499	0.0377
Uranus	-6756-12-26 08:09 J	-745846.44	-745846.16	-745845.87	0.0139	0.0016
Saturn	-6723-07-22 23:45 J	-733949.78	-733949.51	-733949.24	0.0301	0.0117
Uranus	-6711-02-05 19:40 J	-729733.94	-729733.68	-729733.39	0.0139	0.0074
Uranus	-6709-01-11 14:52 J	-729029.04	-729028.88	-729028.72	0.0140	0.0122
Saturn	-6709-10-09 00:14 J	-728757.78	-728757.49	-728757.19	0.0261	0.0005
Neptune	-6698-01-06 15:36 J	-725016.04	-725015.85	-725015.67	0.0089	0.0072
Neptune	-6697-12-01 14:09 J	-724321.21	-724320.91	-724320.59	0.0089	0.0014
Jupiter	-6697-12-06 06:00 J	-724316.32	-724316.25	-724316.17	0.0528	0.0505
Jupiter	-6679-11-30 03:50 J	-717748.57	-717748.34	-717748.11	0.0498	0.0271
Uranus	-6673-09-19 00:14 J	-715628.57	-715628.49	-715628.34	0.0140	0.0129
Uranus	-6671-08-21 00:00 J	-714927.77	-714927.50	-714927.22	0.0139	0.0044
Jupiter	-6661-09-12 00:00 J	-711252.78	-711252.50	-711252.23	0.0528	0.0018
Jupiter	-6643-09-03 22:04 J	-704686.84	-704686.58	-704686.31	0.0498	0.0102
Saturn	-6635-12-16 09:21 J	-701661.39	-701661.11	-701660.82	0.0301	0.0056
Uranus	-6627-10-02 16:19 J	-698814.15	-698813.82	-698813.49	0.0139	0.0002
Jupiter	-6625-06-19 02:52 J	-698188.48	-698188.38	-698188.26	0.0526	0.0481
Saturn	-6620-03-04 09:36 J	-696469.39	-696469.10	-696468.81	0.0261	0.0048
Neptune	-6617-12-06 17:45 J	-695095.90	-695095.76	-695095.57	0.0088	0.0075
Neptune	-6615-11-01 11:16 J	-694401.33	-694401.03	-694400.70	0.0088	0.0008
Jupiter	-6607-06-08 20:09 J	-691624.72	-691624.66	-691624.59	0.0499	0.0484
Pluto	-6605-08-28 20:09 J	-690812.89	-690812.66	-690812.41	0.0078	0.0044
Uranus	-6588-05-14 19:40 J	-684709.92	-684709.68	-684709.40	0.0140	0.0065
Uranus	-6586-04-15 15:50 J	-684009.01	-684008.84	-684008.63	0.0139	0.0105

Saturn	-6546-05-13 00:28 J	-669371.77	-669371.48	-669371.19	0.0301	0.0049
Uranus	-6544-06-24 00:14 J	-668598.63	-668598.49	-668598.34	0.0138	0.0123
Jupiter	-6542-03-01 22:33 J	-667982.73	-667982.56	-667982.38	0.0528	0.0410
Uranus	-6542-05-29 13:55 J	-667894.20	-667893.92	-667893.63	0.0139	0.0070
Neptune	-6533-07-15 22:33 J	-664558.83	-664558.56	-664558.24	0.0089	0.0031
Saturn	-6532-07-29 15:50 J	-664180.09	-664179.84	-664179.58	0.0262	0.0129
Neptune	-6531-06-10 21:36 J	-663863.82	-663863.60	-663863.34	0.0089	0.0057
Jupiter	-6524-02-22 17:16 J	-661415.02	-661414.78	-661414.52	0.0497	0.0197
Jupiter	-6507-12-06 17:16 J	-654919.06	-654918.78	-654918.50	0.0528	0.0074
Uranus	-6503-01-07 19:26 J	-653790.98	-653790.69	-653790.39	0.0139	0.0002
Jupiter	-6489-11-27 13:26 J	-648353.19	-648352.94	-648352.69	0.0499	0.0181
Uranus	-6459-02-17 23:02 J	-637678.83	-637678.54	-637678.22	0.0139	0.0052
Saturn	-6458-10-08 08:09 J	-637081.38	-637081.16	-637080.93	0.0301	0.0190
Neptune	-6451-06-15 22:19 J	-634638.84	-634638.57	-634638.26	0.0088	0.0036
Neptune	-6449-05-10 14:52 J	-633944.12	-633943.88	-633943.59	0.0088	0.0047
Pluto	-6446-08-03 04:33 J	-632764.54	-632764.31	-632764.02	0.0067	0.0045
Saturn	-6444-12-24 00:43 J	-631890.64	-631890.47	-631890.28	0.0261	0.0208
Uranus	-6421-10-01 19:55 J	-623572.85	-623572.67	-623572.48	0.0140	0.0108
Uranus	-6419-09-02 18:57 J	-622871.96	-622871.71	-622871.45	0.0139	0.0063
Jupiter	-6388-05-25 02:52 J	-611649.58	-611649.38	-611649.17	0.0528	0.0342
Saturn	-6385-04-01 20:52 J	-610606.75	-610606.63	-610606.48	0.0262	0.0234
Uranus	-6375-10-14 20:23 J	-606758.97	-606758.65	-606758.32	0.0139	0.0019
Jupiter	-6370-05-18 20:38 J	-605081.89	-605081.64	-605081.37	0.0498	0.0136
Neptune	-6369-02-28 07:26 J	-604796.35	-604796.19	-604796.01	0.0089	0.0075
Neptune	-6367-01-23 03:36 J	-604101.65	-604101.35	-604101.02	0.0089	0.0012
Jupiter	-6352-02-28 08:09 J	-598586.43	-598586.16	-598585.89	0.0528	0.0125
Uranus	-6336-05-27 23:31 J	-592653.79	-592653.52	-592653.23	0.0140	0.0042
Jupiter	-6334-02-20 10:19 J	-592020.30	-592020.07	-592019.82	0.0498	0.0234
Uranus	-6334-04-28 19:12 J	-591952.80	-591952.70	-591952.58	0.0139	0.0127
Saturn	-6297-08-27 14:52 J	-578317.13	-578316.88	-578316.63	0.0262	0.0141

Uranus	-6292-07-06 06:00 J	-576543.45	-576543.25	-576543.01	0.0138	0.0102
Uranus	-6290-06-10 18:14 J	-575838.96	-575838.74	-575838.46	0.0139	0.0091
Neptune	-6287-01-28 06:00 J	-574876.34	-574876.25	-574876.07	0.0088	0.0080
Neptune	-6286-12-24 02:38 J	-574181.70	-574181.39	-574181.07	0.0088	0.0004
Neptune	-6284-11-17 18:43 J	-573486.75	-573486.72	-573486.63	0.0088	0.0086
Jupiter	-6252-11-06 06:00 J	-561810.36	-561810.25	-561810.13	0.0497	0.0449
Uranus	-6251-01-21 01:12 J	-561734.73	-561734.45	-561734.16	0.0139	0.0024
Jupiter	-6234-08-18 01:55 J	-555316.65	-555316.42	-555316.18	0.0528	0.0274
Saturn	-6223-11-03 08:52 J	-551221.25	-551221.13	-551220.99	0.0300	0.0268
Jupiter	-6216-08-11 01:12 J	-548748.72	-548748.45	-548748.18	0.0498	0.0069
Saturn	-6208-01-21 22:19 J	-546027.86	-546027.57	-546027.28	0.0262	0.0067
Uranus	-6207-03-01 21:36 J	-545623.92	-545623.60	-545623.29	0.0139	0.0033
Neptune	-6204-09-06 10:47 J	-544339.34	-544339.05	-544338.76	0.0089	0.0035
Neptune	-6202-08-02 07:12 J	-543644.44	-543644.20	-543643.93	0.0089	0.0052
Pluto	-6200-12-24 18:14 J	-542768.96	-542768.74	-542768.43	0.0067	0.0043
Jupiter	-6198-05-25 04:04 J	-542252.57	-542252.33	-542252.08	0.0527	0.0236
Jupiter	-6180-05-16 05:45 J	-535686.46	-535686.26	-535686.05	0.0499	0.0327
Uranus	-6169-10-14 19:40 J	-531516.90	-531516.68	-531516.43	0.0140	0.0084
Uranus	-6167-09-15 20:52 J	-530815.84	-530815.63	-530815.38	0.0139	0.0087
Saturn	-6134-03-29 10:04 J	-518933.25	-518933.08	-518932.90	0.0300	0.0235
Uranus	-6123-10-26 19:11 J	-514704.01	-514703.70	-514703.38	0.0139	0.0039
Neptune	-6122-08-07 09:07 J	-514419.37	-514419.12	-514418.81	0.0088	0.0041
Saturn	-6120-06-17 15:07 J	-513739.17	-513738.87	-513738.57	0.0261	0.0014
Neptune	-6120-07-02 03:50 J	-513724.58	-513724.34	-513724.03	0.0088	0.0043
Jupiter	-6097-01-30 23:45 J	-505476.69	-505476.51	-505476.31	0.0497	0.0356
Uranus	-6084-06-09 17:02 J	-500598.08	-500597.79	-500597.50	0.0140	0.0020
Jupiter	-6080-11-11 21:50 J	-498981.85	-498981.59	-498981.32	0.0528	0.0122
Jupiter	-6062-11-05 12:28 J	-492414.25	-492413.98	-492413.71	0.0498	0.0054
Saturn	-6046-08-22 04:48 J	-486645.50	-486645.30	-486645.10	0.0300	0.0215
Jupiter	-6044-08-18 18:28 J	-485917.92	-485917.73	-485917.54	0.0527	0.0384

Neptune	-6040-04-20 16:04 J	-484576.94	-484576.83	-484576.67	0.0089	0.0081
Uranus	-6040-07-18 07:55 J	-484488.42	-484488.17	-484487.89	0.0138	0.0078
Neptune	-6038-03-16 12:14 J	-483882.30	-483881.99	-483881.68	0.0089	0.0005
Uranus	-6038-06-22 17:31 J	-483783.94	-483783.77	-483783.55	0.0139	0.0112
Saturn	-6032-11-10 23:31 J	-481450.81	-481450.52	-481450.22	0.0262	0.0028
Jupiter	-6026-08-10 07:11 J	-479352.32	-479352.20	-479352.06	0.0499	0.0436
Uranus	-6001-03-03 08:09 J	-470380.25	-470380.16	-470380.04	0.0141	0.0131

6TH MILLENNIUM BCE

This is a list of transits of Mars in the 6th millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Uranus	-5999-02-02 15:36 J	-469679.13	-469678.85	-469678.57	0.0140	0.0043		
Jupiter	-5961-05-02 06:28 J	-455710.35	-455710.23	-455710.08	0.0529	0.0457		
Neptune	-5958-03-21 14:52 J	-454656.91	-454656.88	-454656.77	0.0088	0.0086		
Saturn	-5957-01-13 23:16 J	-454358.69	-454358.53	-454358.33	0.0300	0.0232		
Neptune	-5956-02-13 11:31 J	-453962.33	-453962.02	-453961.70	0.0088	0.0002		
Uranus	-5955-03-14 09:36 J	-453568.43	-453568.10	-453567.78	0.0139	0.0006		
Neptune	-5954-01-09 05:16 J	-453267.38	-453267.28	-453267.14	0.0088	0.0081		
Saturn	-5943-04-05 13:55 J	-449163.21	-449162.92	-449162.62	0.0262	0.0044		
Jupiter	-5943-04-26 21:50 J	-449141.83	-449141.59	-449141.34	0.0498	0.0218		
Jupiter	-5925-02-07 00:00 J	-442646.78	-442646.50	-442646.23	0.0528	0.0045		
Uranus	-5917-10-27 13:40 J	-439461.19	-439460.93	-439460.66	0.0140	0.0064		
Uranus	-5915-09-28 15:36 J	-438760.03	-438759.85	-438759.66	0.0139	0.0107		

Jupiter	-5907-01-29 21:36 J	-436079.85	-436079.60	-436079.34	0.0498	0.0173
Neptune	-5875-10-28 14:52 J	-424120.13	-424119.88	-424119.58	0.0089	0.0043
Neptune	-5873-09-22 11:45 J	-423425.26	-423425.01	-423424.72	0.0089	0.0045
Uranus	-5873-12-04 05:31 J	-423352.40	-423352.27	-423352.08	0.0138	0.0120
Uranus	-5871-11-08 10:04 J	-422648.35	-422648.08	-422647.77	0.0139	0.0066
Saturn	-5869-06-07 08:38 J	-422071.31	-422071.14	-422070.94	0.0299	0.0226
Pluto	-5868-12-14 01:26 J	-421516.69	-421516.44	-421516.15	0.0078	0.0030
Saturn	-5855-08-29 12:28 J	-416875.26	-416874.98	-416874.69	0.0262	0.0077
Uranus	-5832-06-22 18:14 J	-408542.03	-408541.74	-408541.45	0.0140	0.0003
Jupiter	-5825-10-16 05:45 J	-405869.26	-405869.26	-405869.25	0.0497	0.0497
Jupiter	-5807-07-28 05:02 J	-399375.51	-399375.29	-399375.06	0.0529	0.0302
Neptune	-5793-09-27 18:00 J	-394199.99	-394199.75	-394199.45	0.0088	0.0047
Neptune	-5791-08-23 13:55 J	-393505.20	-393504.92	-393504.63	0.0088	0.0037
Jupiter	-5789-07-21 08:09 J	-392807.43	-392807.16	-392806.89	0.0497	0.0103
Uranus	-5788-07-31 04:04 J	-392432.61	-392432.33	-392432.01	0.0138	0.0051
Uranus	-5786-07-05 12:43 J	-391727.99	-391727.97	-391727.94	0.0139	0.0139
Saturn	-5781-10-30 22:19 J	-389783.77	-389783.57	-389783.36	0.0298	0.0204
Jupiter	-5771-05-04 04:19 J	-386311.57	-386311.32	-386311.06	0.0528	0.0206
Saturn	-5766-01-22 06:43 J	-384587.50	-384587.22	-384586.95	0.0263	0.0100
Jupiter	-5753-04-25 14:38 J	-379745.10	-379744.89	-379744.67	0.0498	0.0302
Uranus	-5749-03-16 17:45 J	-378323.96	-378323.76	-378323.56	0.0141	0.0103
Uranus	-5747-02-15 23:31 J	-377622.77	-377622.52	-377622.26	0.0140	0.0069
Neptune	-5711-06-11 22:04 J	-364357.60	-364357.58	-364357.54	0.0089	0.0089
Neptune	-5709-05-06 15:21 J	-363663.17	-363662.86	-363662.55	0.0089	0.0003
Neptune	-5707-04-01 11:45 J	-362968.11	-362968.01	-362967.90	0.0089	0.0084
Uranus	-5703-03-26 23:16 J	-361512.84	-361512.53	-361512.20	0.0138	0.0020
Saturn	-5692-03-26 16:04 J	-357495.08	-357494.83	-357494.57	0.0298	0.0139
Saturn	-5678-06-17 23:45 J	-352298.75	-352298.51	-352298.28	0.0263	0.0163
Jupiter	-5670-01-10 06:28 J	-349535.38	-349535.23	-349535.06	0.0496	0.0399
Uranus	-5665-11-09 19:40 J	-347404.96	-347404.68	-347404.39	0.0141	0.0037

Uranus	-5663-10-11 22:33 J	-346703.63	-346703.56	-346703.45	0.0140	0.0133
Jupiter	-5653-10-21 14:09 J	-343041.17	-343040.91	-343040.66	0.0529	0.0180
Jupiter	-5635-10-15 10:33 J	-336473.33	-336473.06	-336472.78	0.0497	0.0004
Neptune	-5627-04-06 20:23 J	-333742.96	-333742.65	-333742.33	0.0088	0.0008
Neptune	-5625-03-01 15:07 J	-333048.00	-333047.87	-333047.69	0.0088	0.0076
Uranus	-5621-12-16 17:31 J	-331296.98	-331296.77	-331296.51	0.0138	0.0094
Uranus	-5619-11-20 19:55 J	-330592.90	-330592.67	-330592.41	0.0139	0.0091
Jupiter	-5617-07-27 22:19 J	-329977.78	-329977.57	-329977.34	0.0529	0.0307
Saturn	-5604-08-21 06:14 J	-325205.52	-325205.24	-325204.95	0.0298	0.0032
Jupiter	-5599-07-20 04:33 J	-323411.48	-323411.31	-323411.13	0.0498	0.0380
Saturn	-5590-11-11 22:04 J	-320009.71	-320009.58	-320009.41	0.0263	0.0227
Uranus	-5580-07-05 18:43 J	-316486.00	-316485.72	-316485.43	0.0140	0.0028
Neptune	-5546-12-19 20:38 J	-303900.88	-303900.64	-303900.37	0.0089	0.0051
Neptune	-5544-11-13 14:09 J	-303206.17	-303205.91	-303205.60	0.0089	0.0037
Uranus	-5536-08-12 12:43 J	-300377.29	-300376.97	-300376.65	0.0138	0.0023
Saturn	-5531-02-18 00:43 J	-298726.58	-298726.47	-298726.34	0.0265	0.0240
Jupiter	-5516-04-04 15:36 J	-293202.05	-293201.85	-293201.64	0.0497	0.0324
Saturn	-5515-01-16 08:52 J	-292915.39	-292915.13	-292914.85	0.0299	0.0095
Jupiter	-5498-01-14 10:33 J	-286708.33	-286708.06	-286707.80	0.0530	0.0121
Uranus	-5497-03-29 04:19 J	-286268.54	-286268.32	-286268.07	0.0141	0.0083
Uranus	-5495-02-28 13:40 J	-285567.14	-285566.93	-285566.69	0.0140	0.0089
Jupiter	-5480-01-07 11:16 J	-280140.30	-280140.03	-280139.75	0.0497	0.0061
Neptune	-5464-11-19 02:09 J	-273980.65	-273980.41	-273980.13	0.0088	0.0052
Jupiter	-5463-10-21 01:11 J	-273644.63	-273644.45	-273644.25	0.0528	0.0385
Pluto	-5462-04-09 05:16 J	-273474.59	-273474.28	-273473.94	0.0067	0.0023
Neptune	-5462-10-14 23:45 J	-273285.78	-273285.51	-273285.19	0.0088	0.0033
Uranus	-5453-05-04 14:23 J	-270160.97	-270160.90	-270160.81	0.0137	0.0133
Uranus	-5451-04-08 11:02 J	-269457.33	-269457.04	-269456.72	0.0138	0.0048
Jupiter	-5445-10-12 11:16 J	-267078.13	-267078.03	-267077.91	0.0498	0.0453
Saturn	-5443-07-15 22:19 J	-266436.81	-266436.57	-266436.30	0.0264	0.0138

Saturn	-5427-06-13 20:09 J	-260624.82	-260624.66	-260624.47	0.0298	0.0235
Uranus	-5413-11-22 06:57 J	-255349.50	-255349.21	-255348.91	0.0141	0.0018
Neptune	-5380-06-27 21:21 J	-243443.91	-243443.61	-243443.30	0.0089	0.0011
Neptune	-5378-05-23 15:21 J	-242749.01	-242748.86	-242748.68	0.0089	0.0076
Uranus	-5369-12-29 11:02 J	-239241.31	-239241.04	-239240.73	0.0138	0.0064
Uranus	-5367-12-03 12:57 J	-238537.10	-238536.96	-238536.78	0.0139	0.0121
Jupiter	-5362-06-28 13:55 J	-236869.14	-236868.92	-236868.68	0.0496	0.0264
Saturn	-5355-12-10 13:55 J	-234147.21	-234146.92	-234146.62	0.0264	0.0050
Jupiter	-5344-04-08 19:55 J	-230374.95	-230374.67	-230374.40	0.0529	0.0029
Uranus	-5330-08-16 17:31 J	-225131.86	-225131.77	-225131.63	0.0141	0.0130
Uranus	-5328-07-18 06:28 J	-224430.49	-224430.23	-224429.94	0.0140	0.0047
Jupiter	-5326-04-02 21:07 J	-223806.88	-223806.62	-223806.36	0.0497	0.0144
Jupiter	-5308-01-13 05:02 J	-217311.41	-217311.29	-217311.17	0.0528	0.0471
Neptune	-5298-05-29 06:28 J	-213523.54	-213523.23	-213522.90	0.0088	0.0012
Neptune	-5296-04-23 02:38 J	-212828.53	-212828.39	-212828.17	0.0088	0.0073
Uranus	-5284-08-25 09:21 J	-208321.43	-208321.11	-208320.79	0.0138	0.0006
Saturn	-5266-05-06 19:26 J	-201857.99	-201857.69	-201857.39	0.0264	0.0025
Uranus	-5245-04-11 01:55 J	-194212.67	-194212.42	-194212.14	0.0141	0.0061
Uranus	-5243-03-13 10:33 J	-193511.21	-193511.06	-193510.86	0.0140	0.0111
Jupiter	-5226-09-27 09:07 J	-187104.28	-187104.12	-187103.94	0.0530	0.0407
Neptune	-5216-02-09 06:00 J	-183681.49	-183681.25	-183681.01	0.0089	0.0057
Neptune	-5214-01-04 22:48 J	-182986.83	-182986.55	-182986.24	0.0089	0.0030
Jupiter	-5208-09-21 13:26 J	-180535.20	-180534.94	-180534.67	0.0497	0.0157
Uranus	-5201-05-17 10:04 J	-178105.27	-178105.08	-178104.85	0.0137	0.0105
Uranus	-5199-04-21 06:00 J	-177401.51	-177401.25	-177400.97	0.0138	0.0076
Jupiter	-5190-07-03 18:00 J	-174041.02	-174040.75	-174040.48	0.0529	0.0093
Saturn	-5178-09-30 15:07 J	-169569.14	-169568.87	-169568.57	0.0264	0.0086
Jupiter	-5172-06-26 12:14 J	-167473.22	-167472.99	-167472.74	0.0497	0.0241
Uranus	-5161-12-05 05:16 J	-163293.58	-163293.28	-163292.99	0.0141	0.0005
Neptune	-5134-01-10 13:26 J	-153761.15	-153760.94	-153760.66	0.0088	0.0056

Neptune	-5133-12-05 12:43 J	-153066.25	-153065.97	-153065.65	0.0088	0.0030
Pluto	-5130-04-01 07:26 J	-152219.46	-152219.19	-152218.90	0.0078	0.0022
Uranus	-5116-01-10 23:45 J	-147185.80	-147185.51	-147185.18	0.0138	0.0039
Saturn	-5089-02-23 14:09 J	-137281.17	-137280.91	-137280.62	0.0264	0.0116
Jupiter	-5089-03-12 12:14 J	-137263.10	-137262.99	-137262.86	0.0496	0.0449
Uranus	-5078-08-29 15:07 J	-133076.04	-133075.87	-133075.64	0.0141	0.0105
Uranus	-5076-07-31 05:45 J	-132374.51	-132374.26	-132374.00	0.0140	0.0070
Jupiter	-5072-12-22 00:57 J	-130769.70	-130769.46	-130769.22	0.0530	0.0257
Jupiter	-5054-12-16 18:28 J	-124201.00	-124200.73	-124200.45	0.0497	0.0041
Neptune	-5051-08-19 09:07 J	-123224.41	-123224.12	-123223.80	0.0089	0.0017
Neptune	-5049-07-14 02:09 J	-122529.58	-122529.41	-122529.20	0.0089	0.0071
Jupiter	-5036-09-28 00:28 J	-117705.72	-117705.48	-117705.24	0.0529	0.0267
Uranus	-5032-09-06 14:52 J	-116266.19	-116265.88	-116265.55	0.0138	0.0030
Jupiter	-5018-09-21 08:38 J	-111138.30	-111138.14	-111137.96	0.0498	0.0383
Saturn	-5015-04-25 01:55 J	-110191.45	-110191.42	-110191.36	0.0296	0.0293
Saturn	-5001-07-18 16:04 J	-104993.07	-104992.83	-104992.58	0.0264	0.0153

5TH MILLENNIUM BCE

This is a list of transits of Mars in the 5th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
TRANSIT								
TIME								
Uranus	-4993-04-23 10:47 J	-102157.34	-102157.05	-102156.77	0.0141	0.0041		
Uranus	-4991-03-25 22:04 J	-101455.68	-101455.58	-101455.46	0.0140	0.0129		
Neptune	-4969-07-19 21:35 J	-93303.90	-93303.60	-93303.27	0.0088	0.0014		

Neptune	-4967-06-14 19:40 J	-92608.83	-92608.68	-92608.46	0.0088	0.0072
Uranus	-4949-05-29 13:26 J	-86050.19	-86049.94	-86049.68	0.0137	0.0081
Uranus	-4947-05-03 07:12 J	-85346.43	-85346.20	-85345.97	0.0138	0.0098
Jupiter	-4935-06-07 01:40 J	-80928.64	-80928.43	-80928.22	0.0496	0.0324
Saturn	-4927-09-17 06:57 J	-77904.25	-77904.21	-77904.14	0.0296	0.0289
Jupiter	-4917-03-18 11:02 J	-74434.31	-74434.04	-74433.77	0.0530	0.0082
Saturn	-4913-12-11 04:04 J	-72705.54	-72705.33	-72705.08	0.0264	0.0169
Uranus	-4909-12-17 08:24 J	-71238.44	-71238.15	-71237.86	0.0141	0.0021
Jupiter	-4899-03-12 16:33 J	-67866.08	-67865.81	-67865.54	0.0497	0.0103
Neptune	-4887-04-03 00:28 J	-63461.69	-63461.48	-63461.24	0.0089	0.0060
Neptune	-4885-02-26 14:52 J	-62767.16	-62766.88	-62766.57	0.0089	0.0027
Jupiter	-4882-12-24 02:23 J	-61370.54	-61370.40	-61370.23	0.0529	0.0435
Uranus	-4864-01-23 04:04 J	-55130.64	-55130.33	-55130.00	0.0137	0.0015
Saturn	-4838-02-10 09:07 J	-45616.25	-45616.12	-45615.97	0.0296	0.0254
Uranus	-4826-09-10 10:33 J	-41021.27	-41021.06	-41020.83	0.0141	0.0093
Saturn	-4824-05-06 09:36 J	-40417.27	-40417.10	-40416.92	0.0265	0.0216
Uranus	-4824-08-12 02:23 J	-40319.63	-40319.40	-40319.15	0.0140	0.0081
Neptune	-4805-03-03 04:47 J	-33541.52	-33541.30	-33541.03	0.0088	0.0057
Neptune	-4803-01-27 06:14 J	-32846.53	-32846.24	-32845.93	0.0088	0.0029
Jupiter	-4799-09-06 14:52 J	-31163.01	-31162.88	-31162.73	0.0530	0.0449
Uranus	-4782-10-16 07:55 J	-24914.29	-24914.17	-24914.01	0.0137	0.0123
Jupiter	-4781-08-31 15:36 J	-24594.11	-24593.85	-24593.60	0.0496	0.0197
Uranus	-4780-09-18 20:09 J	-24210.95	-24210.66	-24210.35	0.0138	0.0052
Jupiter	-4763-06-12 19:26 J	-18099.96	-18099.69	-18099.42	0.0530	0.0046
Saturn	-4750-07-07 03:07 J	-13327.58	-13327.37	-13327.14	0.0295	0.0185
Jupiter	-4745-06-05 18:00 J	-11532.00	-11531.75	-11531.49	0.0496	0.0205
Uranus	-4741-05-05 13:26 J	-10102.22	-10101.94	-10101.64	0.0141	0.0028
Saturn	-4736-09-29 15:07 J	-8128.94	-8128.87	-8128.79	0.0265	0.0256
Pluto	-4725-07-22 20:24 J	-4179.97	-4179.65	-4179.30	0.0067	0.0014
Neptune	-4722-10-11 07:40 J	-3004.48	-3004.18	-3003.88	0.0089	0.0017

Neptune	-4720-09-04 22:47 J	-2309.72	-2309.55	-2309.34	0.0089	0.0070
Uranus	-4697-06-10 19:55 J	6005.05	6005.33	6005.63	0.0137	0.0059
Uranus	-4695-05-15 11:45 J	6708.85	6708.99	6709.18	0.0138	0.0119
Saturn	-4677-01-05 16:04 J	13153.07	13153.17	13153.28	0.0267	0.0250
Saturn	-4662-12-01 15:21 J	18961.87	18962.14	18962.41	0.0295	0.0088
Uranus	-4658-01-27 18:43 J	20115.27	20115.28	20115.34	0.0142	0.0141
Uranus	-4657-12-29 14:23 J	20816.82	20817.10	20817.39	0.0141	0.0035
Jupiter	-4645-11-29 23:31 J	25170.29	25170.48	25170.68	0.0531	0.0367
Neptune	-4640-09-10 16:48 J	26915.90	26916.20	26916.53	0.0088	0.0013
Neptune	-4638-08-06 16:48 J	27611.05	27611.20	27611.40	0.0088	0.0073
Jupiter	-4627-11-25 02:09 J	31739.33	31739.59	31739.87	0.0496	0.0118
Uranus	-4612-02-04 06:00 J	36924.43	36924.75	36925.08	0.0138	0.0005
Jupiter	-4609-09-05 08:38 J	38233.60	38233.86	38234.13	0.0530	0.0144
Jupiter	-4591-08-30 06:57 J	44801.57	44801.79	44802.02	0.0496	0.0291
Saturn	-4589-06-01 07:55 J	45442.59	45442.83	45443.09	0.0267	0.0155
Uranus	-4574-09-22 22:04 J	51034.18	51034.42	51034.69	0.0141	0.0075
Saturn	-4573-04-27 21:21 J	51252.12	51252.39	51252.68	0.0295	0.0041
Uranus	-4572-08-24 13:55 J	51735.89	51736.08	51736.31	0.0140	0.0098
Neptune	-4558-05-26 02:23 J	56758.38	56758.60	56758.84	0.0089	0.0059
Neptune	-4556-04-19 16:19 J	57452.90	57453.18	57453.49	0.0089	0.0027
Uranus	-4530-10-28 04:47 J	67140.52	67140.70	67140.93	0.0137	0.0105
Uranus	-4528-09-30 15:07 J	67843.86	67844.13	67844.42	0.0138	0.0069
Jupiter	-4508-05-14 22:19 J	75010.33	75010.43	75010.54	0.0495	0.0457
Saturn	-4501-10-27 02:38 J	77732.31	77732.61	77732.91	0.0267	0.0061
Jupiter	-4490-02-23 06:43 J	81503.56	81503.78	81504.02	0.0530	0.0279
Uranus	-4489-05-17 18:57 J	81952.99	81953.29	81953.58	0.0141	0.0012
Saturn	-4485-09-22 19:55 J	83542.09	83542.33	83542.57	0.0296	0.0157
Neptune	-4476-04-25 02:24 J	86678.37	86678.60	86678.87	0.0088	0.0055
Neptune	-4474-03-21 04:04 J	87373.39	87373.67	87373.99	0.0088	0.0032
Jupiter	-4472-02-17 08:38 J	88072.59	88072.86	88073.14	0.0496	0.0037

Jupiter	-4455-11-29 06:14 J	94566.52	94566.76	94567.01	0.0530	0.0218
Uranus	-4445-06-22 10:04 J	98059.62	98059.92	98060.22	0.0137	0.0043
Uranus	-4443-05-27 00:14 J	98763.46	98763.51	98763.61	0.0138	0.0134
Jupiter	-4437-11-22 06:00 J	101134.58	101134.75	101134.95	0.0496	0.0365
Saturn	-4412-03-23 22:04 J	110022.12	110022.42	110022.73	0.0266	0.0038
Uranus	-4406-02-08 14:09 J	112169.98	112170.09	112170.24	0.0142	0.0127
Uranus	-4404-01-10 13:26 J	112871.78	112872.06	112872.33	0.0141	0.0048
Saturn	-4396-02-17 18:28 J	115832.18	115832.27	115832.40	0.0296	0.0270
Pluto	-4393-07-16 22:47 J	117077.30	117077.45	117077.67	0.0078	0.0060
Neptune	-4393-12-02 12:14 J	117215.71	117216.01	117216.32	0.0089	0.0014
Neptune	-4391-10-28 02:24 J	117910.45	117910.60	117910.80	0.0089	0.0073
Uranus	-4360-02-15 18:00 J	128978.94	128979.25	128979.57	0.0137	0.0021
Jupiter	-4354-08-08 11:02 J	131343.78	131343.96	131344.15	0.0495	0.0365
Jupiter	-4336-05-18 14:24 J	137836.85	137837.10	137837.36	0.0531	0.0185
Saturn	-4324-08-18 08:52 J	142311.61	142311.87	142312.15	0.0266	0.0123
Uranus	-4322-10-04 10:04 J	143088.66	143088.92	143089.19	0.0141	0.0066
Uranus	-4320-09-05 03:50 J	143790.49	143790.66	143790.87	0.0140	0.0107
Jupiter	-4318-05-13 13:26 J	144405.78	144406.06	144406.34	0.0496	0.0046
Neptune	-4311-11-02 16:48 J	147135.89	147136.20	147136.53	0.0088	0.0010
Neptune	-4309-09-27 17:31 J	147831.11	147831.23	147831.42	0.0088	0.0077
Jupiter	-4300-02-22 03:21 J	150900.44	150900.64	150900.86	0.0530	0.0339
Jupiter	-4282-02-16 02:09 J	157468.52	157468.59	157468.68	0.0497	0.0473
Uranus	-4278-11-08 18:57 J	159195.06	159195.29	159195.55	0.0137	0.0088
Uranus	-4276-10-12 05:02 J	159898.46	159898.71	159898.96	0.0138	0.0085
Uranus	-4237-05-29 06:57 J	174007.50	174007.79	174008.09	0.0141	0.0004
Saturn	-4235-01-11 21:07 J	174600.15	174600.38	174600.61	0.0266	0.0174
Neptune	-4229-07-17 11:16 J	176978.76	176978.97	176979.24	0.0089	0.0056
Neptune	-4227-06-11 23:02 J	177673.20	177673.46	177673.77	0.0089	0.0032
Jupiter	-4200-11-01 06:14 J	187677.52	187677.76	187678.00	0.0495	0.0260
Uranus	-4193-07-04 03:07 J	190114.33	190114.63	190114.95	0.0137	0.0026

Jupiter	-4182-08-13 09:35 J	194171.63	194171.90	194172.17	0.0530	0.0028
Jupiter	-4164-08-07 01:11 J	200740.30	200740.55	200740.81	0.0496	0.0181
Uranus	-4154-02-20 07:11 J	204224.65	204224.80	204224.98	0.0142	0.0117
Uranus	-4152-01-22 05:45 J	204926.49	204926.74	204927.03	0.0141	0.0058
Saturn	-4147-06-07 04:04 J	206888.51	206888.67	206888.84	0.0266	0.0223
Neptune	-4147-06-17 02:24 J	206898.35	206898.60	206898.88	0.0088	0.0051
Pluto	-4147-12-09 12:28 J	207073.98	207074.02	207074.11	0.0078	0.0076
Jupiter	-4146-05-20 00:00 J	207235.43	207235.50	207235.59	0.0530	0.0504
Neptune	-4145-05-12 06:28 J	207593.49	207593.77	207594.08	0.0088	0.0036
Uranus	-4110-03-27 06:14 J	220330.72	220330.76	220330.85	0.0137	0.0134
Uranus	-4108-02-27 10:33 J	221033.64	221033.94	221034.26	0.0138	0.0036
Uranus	-4070-10-16 10:48 J	235143.67	235143.95	235144.23	0.0141	0.0052
Uranus	-4068-09-17 05:16 J	235845.58	235845.72	235845.89	0.0140	0.0119
Neptune	-4063-01-24 23:16 J	237436.17	237436.47	237436.78	0.0089	0.0009
Jupiter	-4063-02-01 01:55 J	237443.39	237443.58	237443.77	0.0531	0.0378
Neptune	-4062-12-20 11:16 J	238130.85	238130.97	238131.15	0.0089	0.0078
Saturn	-4059-10-30 13:40 J	239175.94	239176.07	239176.23	0.0267	0.0235
Jupiter	-4045-01-27 03:35 J	244012.37	244012.65	244012.92	0.0495	0.0112
Jupiter	-4028-11-07 11:02 J	250506.70	250506.96	250507.22	0.0531	0.0143
Uranus	-4026-11-20 10:19 J	251249.66	251249.93	251250.19	0.0137	0.0073
Uranus	-4024-10-23 17:31 J	251953.03	251953.23	251953.48	0.0138	0.0099
Jupiter	-4010-11-01 13:40 J	257074.86	257075.07	257075.29	0.0496	0.0310

4TH MILLENNIUM BCE

This is a list of transits of Mars in the 4th millennium BCE.

FROM	MAX-	C	START	MAX	END	SUNRAD	DEPTH	S
	TRANSIT							
	TIME							
Pluto	-3988-11-05 04:33 J		265114.35	265114.69	265115.03	0.0067	0.0011	
Uranus	-3985-06-10 11:16 J		266062.68	266062.97	266063.27	0.0141	0.0012	
Neptune	-3982-12-25 18:14 J		267355.95	267356.26	267356.59	0.0088	0.0006	
Neptune	-3980-11-19 21:07 J		268051.29	268051.38	268051.52	0.0088	0.0082	
Uranus	-3941-07-15 11:16 J		282168.65	282168.97	282169.29	0.0137	0.0013	
Jupiter	-3927-07-18 02:09 J		287284.44	287284.59	287284.74	0.0495	0.0414	
Jupiter	-3909-04-27 19:11 J		293778.06	293778.30	293778.54	0.0532	0.0230	
Uranus	-3902-03-04 05:45 J		296279.55	296279.74	296279.97	0.0142	0.0101	
Uranus	-3900-02-03 07:26 J		296981.58	296981.81	296982.08	0.0141	0.0073	
Neptune	-3900-09-08 23:02 J		297199.22	297199.46	297199.73	0.0089	0.0050	
Neptune	-3898-08-04 11:02 J		297893.69	297893.96	297894.25	0.0089	0.0037	
Saturn	-3896-05-23 17:02 J		298552.14	298552.21	298552.30	0.0292	0.0278	
Jupiter	-3891-04-22 13:26 J		300346.78	300347.06	300347.34	0.0495	0.0013	
Jupiter	-3873-02-02 03:36 J		306841.44	306841.65	306841.88	0.0530	0.0298	
Uranus	-3858-04-07 12:43 J		312384.90	312385.03	312385.21	0.0137	0.0120	
Uranus	-3856-03-10 14:38 J		313087.82	313088.11	313088.42	0.0138	0.0049	
Jupiter	-3855-01-25 23:16 J		313409.35	313409.47	313409.61	0.0495	0.0435	
Saturn	-3824-11-22 00:14 J		325032.43	325032.51	325032.62	0.0270	0.0256	
Neptune	-3818-08-09 05:45 J		327118.49	327118.74	327119.04	0.0088	0.0046	
Uranus	-3818-10-28 02:09 J		327198.31	327198.59	327198.88	0.0141	0.0039	
Neptune	-3816-07-04 10:48 J		327813.68	327813.95	327814.24	0.0088	0.0042	
Uranus	-3816-09-28 22:19 J		327900.35	327900.43	327900.57	0.0140	0.0131	
Saturn	-3808-10-17 12:14 J		330840.82	330841.01	330841.21	0.0292	0.0212	
Uranus	-3774-12-01 14:09 J		343303.82	343304.09	343304.39	0.0137	0.0060	
Jupiter	-3773-10-11 00:28 J		343618.30	343618.52	343618.74	0.0494	0.0308	
Uranus	-3772-11-03 19:40 J		344007.16	344007.32	344007.54	0.0138	0.0111	
Jupiter	-3755-07-22 21:36 J		350112.14	350112.40	350112.66	0.0531	0.0104	

Jupiter	-3737-07-16 12:14 J	356680.74	356681.01	356681.29	0.0495	0.0121
Neptune	-3736-04-24 02:09 J	356962.59	356962.59	356962.64	0.0089	0.0089
Saturn	-3735-04-18 03:21 J	357321.41	357321.64	357321.88	0.0270	0.0176
Neptune	-3734-03-19 11:31 J	357656.68	357656.98	357657.28	0.0089	0.0004
Uranus	-3733-06-21 21:07 J	358117.09	358117.38	358117.68	0.0141	0.0021
Neptune	-3732-02-10 22:19 J	358351.36	358351.43	358351.58	0.0089	0.0084
Saturn	-3719-03-14 05:02 J	363130.45	363130.71	363130.97	0.0291	0.0109
Jupiter	-3719-04-27 22:48 J	363175.28	363175.45	363175.62	0.0531	0.0410
Uranus	-3689-07-26 18:28 J	374222.95	374223.27	374223.59	0.0137	0.0000
Neptune	-3654-03-23 14:23 J	386881.10	386881.10	386881.15	0.0088	0.0088
Neptune	-3652-02-15 22:19 J	387576.10	387576.43	387576.75	0.0088	0.0001
Uranus	-3650-03-15 15:21 J	388333.93	388334.14	388334.39	0.0142	0.0093
Uranus	-3648-02-14 17:16 J	389035.99	389036.22	389036.48	0.0141	0.0080
Saturn	-3647-09-12 11:31 J	389610.70	389610.98	389611.28	0.0270	0.0095
Jupiter	-3636-01-09 05:31 J	393382.69	393382.73	393382.79	0.0532	0.0522
Saturn	-3631-08-09 01:11 J	395420.27	395420.55	395420.83	0.0292	0.0004
Jupiter	-3618-01-04 11:02 J	399951.71	399951.96	399952.22	0.0494	0.0217
Uranus	-3606-04-18 22:19 J	404439.26	404439.43	404439.66	0.0137	0.0107
Uranus	-3604-03-21 22:33 J	405142.17	405142.44	405142.74	0.0138	0.0061
Jupiter	-3601-10-14 22:19 J	406445.16	406445.43	406445.70	0.0532	0.0024
Jupiter	-3583-10-09 13:40 J	413013.82	413014.07	413014.33	0.0495	0.0203
Neptune	-3571-11-01 13:40 J	417419.83	417420.07	417420.36	0.0089	0.0044
Neptune	-3569-09-26 00:00 J	418114.24	418114.50	418114.77	0.0089	0.0043
Uranus	-3566-11-08 18:28 J	419252.99	419253.27	419253.57	0.0141	0.0029
Jupiter	-3565-07-21 01:11 J	419508.46	419508.55	419508.65	0.0531	0.0497
Uranus	-3564-10-10 15:07 J	419955.13	419955.13	419955.20	0.0140	0.0140
Saturn	-3558-02-07 10:04 J	421900.61	421900.92	421901.23	0.0269	0.0011
Saturn	-3542-01-04 06:43 J	427710.53	427710.78	427711.04	0.0292	0.0125
Uranus	-3522-12-13 00:14 J	435358.23	435358.51	435358.82	0.0137	0.0048
Uranus	-3520-11-15 04:19 J	436061.55	436061.68	436061.84	0.0138	0.0122

Neptune	-3489-09-30 08:23 J	447338.58	447338.85	447339.16	0.0088	0.0040
Neptune	-3487-08-26 14:38 J	448033.87	448034.11	448034.41	0.0088	0.0049
Uranus	-3483-08-01 14:09 J	449470.07	449470.09	449470.17	0.0142	0.0140
Jupiter	-3482-04-04 04:33 J	449715.55	449715.69	449715.84	0.0532	0.0445
Uranus	-3481-07-03 21:07 J	450172.09	450172.38	450172.67	0.0141	0.0034
Saturn	-3470-07-05 06:28 J	454190.49	454190.77	454191.05	0.0269	0.0112
Jupiter	-3464-03-29 08:38 J	456284.59	456284.86	456285.13	0.0494	0.0141
Saturn	-3454-05-31 11:45 J	459999.80	459999.99	460000.19	0.0293	0.0208
Jupiter	-3446-01-08 08:09 J	462778.57	462778.84	462779.10	0.0531	0.0076
Uranus	-3437-08-07 00:43 J	466277.21	466277.53	466277.85	0.0137	0.0011
Jupiter	-3428-01-02 00:43 J	469347.31	469347.53	469347.76	0.0495	0.0300
Pluto	-3409-03-25 18:43 J	476370.00	476370.28	476370.57	0.0078	0.0012
Neptune	-3407-06-16 16:19 J	477183.11	477183.18	477183.33	0.0089	0.0084
Neptune	-3405-05-11 01:55 J	477877.28	477877.58	477877.89	0.0089	0.0003
Neptune	-3403-04-05 12:00 J	478571.97	478572.00	478572.03	0.0089	0.0089
Uranus	-3398-03-27 17:45 J	480389.01	480389.24	480389.52	0.0142	0.0076
Uranus	-3396-02-26 21:36 J	481091.21	481091.40	481091.64	0.0141	0.0096
Saturn	-3382-11-29 12:14 J	486479.80	486480.01	486480.23	0.0269	0.0191
Saturn	-3366-10-25 14:38 J	492289.06	492289.11	492289.19	0.0293	0.0284
Uranus	-3354-04-30 03:50 J	496493.44	496493.66	496493.90	0.0137	0.0094
Uranus	-3352-04-02 01:55 J	497196.32	497196.58	497196.86	0.0138	0.0072
Jupiter	-3346-09-17 10:04 J	499555.86	499555.92	499556.00	0.0494	0.0478
Jupiter	-3328-06-28 09:50 J	506049.71	506049.91	506050.14	0.0532	0.0313
Neptune	-3325-05-14 16:33 J	507101.10	507101.19	507101.33	0.0088	0.0082
Neptune	-3323-04-10 01:11 J	507796.22	507796.55	507796.87	0.0088	0.0007
Uranus	-3314-11-20 17:45 J	511307.95	511308.24	511308.55	0.0141	0.0014
Jupiter	-3310-06-23 09:07 J	512618.60	512618.88	512619.17	0.0495	0.0023
Saturn	-3293-04-24 11:02 J	518768.92	518768.96	518769.02	0.0269	0.0265
Jupiter	-3292-04-03 14:38 J	519112.87	519113.11	519113.35	0.0532	0.0217
Jupiter	-3274-03-28 18:43 J	525681.14	525681.28	525681.45	0.0495	0.0409

Uranus	-3270-12-24 02:38 J	527412.31	527412.61	527412.92	0.0137	0.0035
Uranus	-3268-11-26 05:16 J	528115.66	528115.72	528115.82	0.0138	0.0133
Pluto	-3250-02-17 21:50 J	534408.41	534408.41	534408.45	0.0067	0.0067
Neptune	-3242-12-25 03:50 J	537640.40	537640.66	537640.95	0.0089	0.0038
Neptune	-3240-11-18 13:12 J	538334.80	538335.05	538335.31	0.0089	0.0049
Uranus	-3231-08-13 03:50 J	541524.55	541524.66	541524.82	0.0142	0.0127
Uranus	-3229-07-15 13:40 J	542226.80	542227.07	542227.36	0.0141	0.0047
Jupiter	-3192-12-12 01:26 J	555890.35	555890.56	555890.77	0.0494	0.0336
Uranus	-3185-08-18 05:45 J	558331.44	558331.74	558332.06	0.0137	0.0025
Jupiter	-3174-09-23 05:02 J	562384.46	562384.71	562384.97	0.0533	0.0154
Neptune	-3160-11-22 09:50 J	567558.63	567558.91	567559.23	0.0088	0.0035
Neptune	-3158-10-18 17:31 J	568253.98	568254.23	568254.49	0.0088	0.0054
Jupiter	-3156-09-16 17:16 J	568952.94	568953.22	568953.49	0.0494	0.0106
Uranus	-3146-04-08 04:33 J	572443.44	572443.69	572443.98	0.0142	0.0065
Uranus	-3144-03-10 10:19 J	573145.73	573145.93	573146.12	0.0141	0.0106
Jupiter	-3138-06-29 10:04 J	575447.74	575447.92	575448.11	0.0531	0.0382
Uranus	-3102-05-11 13:26 J	588547.82	588548.06	588548.32	0.0137	0.0080
Uranus	-3100-04-13 10:04 J	589250.68	589250.92	589251.17	0.0138	0.0085
Neptune	-3078-08-09 07:55 J	597403.69	597403.83	597403.99	0.0089	0.0078
Neptune	-3076-07-03 14:23 J	598097.81	598098.10	598098.41	0.0089	0.0009
Uranus	-3062-12-02 08:23 J	603362.54	603362.85	603363.15	0.0141	0.0003
Saturn	-3058-05-16 22:04 J	604624.35	604624.42	604624.54	0.0273	0.0260
Jupiter	-3055-03-13 23:02 J	605656.41	605656.46	605656.52	0.0533	0.0521
Jupiter	-3037-03-07 14:52 J	612224.87	612225.12	612225.39	0.0494	0.0200
Jupiter	-3020-12-18 03:07 J	618719.36	618719.63	618719.89	0.0532	0.0017
Uranus	-3017-01-04 16:33 J	619466.89	619467.19	619467.51	0.0137	0.0021
Pluto	-3004-07-11 03:50 J	624403.32	624403.66	624404.01	0.0067	0.0003
Jupiter	-3002-12-12 09:36 J	625287.66	625287.90	625288.15	0.0494	0.0247

3RD MILLENNIUM BCE

This is a list of transits of Mars in the 3rd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Neptune	-2996-07-06 14:23 J		627320.99	627321.10	627321.29	0.0088	0.0078	
Neptune	-2994-06-02 01:26 J		628016.24	628016.56	628016.89	0.0088	0.0012	
Uranus	-2979-08-25 02:23 J		633579.44	633579.60	633579.81	0.0142	0.0112	
Uranus	-2977-07-27 13:12 J		634281.80	634282.05	634282.34	0.0141	0.0061	
Saturn	-2970-10-09 05:02 J		636911.59	636911.71	636911.83	0.0273	0.0252	
Saturn	-2954-09-05 06:43 J		642721.70	642721.78	642721.90	0.0289	0.0269	
Uranus	-2935-09-27 04:19 J		649683.58	649683.68	649683.84	0.0136	0.0124	
Uranus	-2933-08-29 18:43 J		650385.99	650386.28	650386.60	0.0137	0.0039	
Neptune	-2912-02-15 17:02 J		657860.95	657861.21	657861.51	0.0089	0.0034	
Neptune	-2910-01-11 00:14 J		658555.28	658555.51	658555.77	0.0089	0.0053	
Jupiter	-2901-06-07 13:40 J		661990.88	661991.07	661991.26	0.0533	0.0369	
Uranus	-2894-04-20 12:28 J		664498.75	664499.02	664499.32	0.0141	0.0046	
Uranus	-2892-03-22 19:12 J		665201.19	665201.30	665201.47	0.0141	0.0124	
Jupiter	-2883-06-02 01:12 J		668559.27	668559.55	668559.83	0.0493	0.0067	
Saturn	-2881-03-03 15:50 J		669199.95	669200.16	669200.38	0.0273	0.0196	
Saturn	-2865-01-30 06:28 J		675010.58	675010.77	675010.97	0.0288	0.0198	
Jupiter	-2865-03-13 11:45 J		675053.73	675053.99	675054.24	0.0533	0.0156	
Uranus	-2850-05-23 04:19 J		680602.41	680602.68	680602.96	0.0137	0.0065	
Uranus	-2848-04-24 22:33 J		681305.24	681305.44	681305.68	0.0138	0.0099	
Jupiter	-2847-03-07 13:40 J		681621.90	681622.07	681622.26	0.0494	0.0378	

Neptune	-2830-01-14 05:16 J	687778.43	687778.72	687779.04	0.0088	0.0031
Neptune	-2829-12-09 14:23 J	688473.89	688474.10	688474.38	0.0088	0.0059
Uranus	-2810-12-14 19:55 J	695418.04	695418.33	695418.64	0.0141	0.0020
Saturn	-2793-07-28 08:52 J	701488.60	701488.87	701489.14	0.0273	0.0136
Saturn	-2777-06-25 15:36 J	707299.90	707300.15	707300.41	0.0289	0.0112
Uranus	-2765-01-16 03:07 J	711521.32	711521.63	711521.95	0.0137	0.0007
Jupiter	-2765-11-20 01:40 J	711830.42	711830.57	711830.74	0.0493	0.0407
Neptune	-2749-09-30 18:28 J	717624.11	717624.27	717624.45	0.0089	0.0074
Neptune	-2747-08-26 01:40 J	718318.28	718318.57	718318.88	0.0089	0.0012
Jupiter	-2747-09-01 00:57 J	718324.31	718324.54	718324.77	0.0534	0.0270
Jupiter	-2729-08-25 11:45 J	724892.71	724892.99	724893.27	0.0493	0.0035
Uranus	-2727-09-06 08:23 J	725634.64	725634.85	725635.11	0.0142	0.0091
Uranus	-2725-08-08 21:50 J	726337.18	726337.41	726337.67	0.0141	0.0081
Jupiter	-2711-06-06 21:21 J	731387.16	731387.39	731387.63	0.0532	0.0258
Saturn	-2705-12-23 03:36 J	733778.34	733778.65	733778.96	0.0273	0.0034
Jupiter	-2693-05-31 01:40 J	737955.52	737955.57	737955.65	0.0494	0.0479
Saturn	-2689-11-20 18:43 J	739590.00	739590.28	739590.55	0.0289	0.0007
Uranus	-2683-10-08 19:12 J	741738.11	741738.30	741738.50	0.0136	0.0106
Uranus	-2681-09-10 07:12 J	742440.52	742440.80	742441.10	0.0137	0.0053
Neptune	-2667-08-28 08:09 J	747540.70	747540.84	747541.04	0.0088	0.0075
Neptune	-2665-07-23 18:57 J	748235.98	748236.29	748236.63	0.0088	0.0016
Uranus	-2642-05-02 12:43 J	756553.74	756554.03	756554.33	0.0142	0.0028
Uranus	-2640-04-03 20:23 J	757256.35	757256.35	757256.39	0.0141	0.0141
Saturn	-2616-05-20 02:52 J	766068.32	766068.62	766068.92	0.0272	0.0074
Jupiter	-2610-02-12 23:16 J	768163.27	768163.47	768163.69	0.0493	0.0326
Saturn	-2600-04-17 08:09 J	771879.58	771879.84	771880.10	0.0289	0.0103
Uranus	-2598-06-03 19:12 J	772657.01	772657.30	772657.60	0.0137	0.0049
Uranus	-2596-05-06 10:19 J	773359.78	773359.93	773360.13	0.0137	0.0114
Jupiter	-2593-11-24 06:43 J	774657.54	774657.78	774658.04	0.0533	0.0176
Neptune	-2583-04-10 00:57 J	778081.27	778081.54	778081.84	0.0089	0.0030

Neptune	-2581-03-04 07:40 J	778775.61	778775.82	778776.08	0.0089	0.0056
Jupiter	-2575-11-18 19:40 J	781226.05	781226.32	781226.59	0.0493	0.0131
Uranus	-2559-01-22 22:33 J	786770.42	786770.44	786770.52	0.0142	0.0141
Uranus	-2558-12-26 18:00 J	787472.96	787473.25	787473.54	0.0141	0.0035
Jupiter	-2557-08-30 04:33 J	787720.49	787720.69	787720.89	0.0533	0.0357
Saturn	-2528-10-14 21:36 J	798358.16	798358.40	798358.64	0.0272	0.0174
Uranus	-2513-01-28 00:00 J	803576.19	803576.50	803576.82	0.0137	0.0011
Saturn	-2512-09-12 02:23 J	804169.41	804169.60	804169.80	0.0290	0.0205
Neptune	-2501-03-06 19:26 J	807998.01	807998.31	807998.63	0.0088	0.0029
Neptune	-2499-01-31 05:31 J	808693.52	808693.73	808693.98	0.0088	0.0061
Uranus	-2475-09-18 10:04 J	817689.67	817689.92	817690.18	0.0142	0.0074
Uranus	-2473-08-20 23:45 J	818392.28	818392.49	818392.72	0.0141	0.0097
Jupiter	-2456-05-08 13:26 J	824496.81	824497.06	824497.32	0.0493	0.0219
Saturn	-2439-03-11 09:21 J	830647.87	830647.89	830647.93	0.0272	0.0270
Jupiter	-2438-02-18 00:14 J	830991.25	830991.51	830991.77	0.0533	0.0060
Uranus	-2431-10-20 18:14 J	833793.05	833793.26	833793.52	0.0136	0.0090
Uranus	-2429-09-22 03:50 J	834495.41	834495.66	834495.96	0.0137	0.0071
Pluto	-2426-12-02 02:52 J	835661.37	835661.62	835661.92	0.0078	0.0027
Saturn	-2423-02-05 12:00 J	836457.87	836458.00	836458.14	0.0290	0.0254
Jupiter	-2420-02-11 02:38 J	837559.36	837559.61	837559.86	0.0494	0.0226
Neptune	-2420-11-23 01:26 J	837844.41	837844.56	837844.77	0.0089	0.0073
Neptune	-2418-10-18 06:28 J	838538.48	838538.77	838539.07	0.0089	0.0014
Jupiter	-2403-11-23 18:00 J	844054.13	844054.25	844054.38	0.0532	0.0470
Uranus	-2390-05-14 23:45 J	848609.19	848609.49	848609.79	0.0142	0.0008
Uranus	-2346-06-15 21:50 J	864712.11	864712.41	864712.72	0.0137	0.0030
Uranus	-2344-05-18 11:45 J	865414.93	865414.99	865415.11	0.0138	0.0132
Neptune	-2338-10-19 16:33 J	867760.05	867760.19	867760.39	0.0088	0.0075
Neptune	-2336-09-14 05:31 J	868455.42	868455.73	868456.07	0.0088	0.0016
Jupiter	-2320-08-08 13:12 J	874262.91	874263.05	874263.19	0.0534	0.0448
Uranus	-2307-02-04 16:04 J	878826.02	878826.17	878826.37	0.0142	0.0116

Uranus	-2305-01-08 12:57 J	879528.78	879529.04	879529.33	0.0141	0.0059
Jupiter	-2302-08-02 12:00 J	880830.73	880831.00	880831.29	0.0493	0.0102
Jupiter	-2284-05-14 10:04 J	887325.66	887325.92	887326.18	0.0533	0.0090
Jupiter	-2266-05-08 07:26 J	893893.61	893893.81	893894.00	0.0493	0.0355
Uranus	-2263-03-08 18:43 J	894929.18	894929.28	894929.41	0.0136	0.0126
Uranus	-2261-02-08 22:47 J	895631.15	895631.45	895631.77	0.0137	0.0029
Neptune	-2254-06-02 05:16 J	898301.44	898301.72	898302.00	0.0089	0.0030
Neptune	-2252-04-26 09:36 J	898995.69	898995.90	898996.15	0.0089	0.0057
Uranus	-2223-10-01 05:45 J	909745.47	909745.74	909746.04	0.0142	0.0048
Uranus	-2221-09-02 21:50 J	910448.28	910448.41	910448.58	0.0141	0.0123
Saturn	-2204-04-02 01:12 J	916503.43	916503.55	916503.71	0.0275	0.0247
Jupiter	-2183-01-21 02:52 J	924102.48	924102.62	924102.77	0.0493	0.0423
Pluto	-2179-04-24 19:12 J	925657.10	925657.30	925657.56	0.0078	0.0048
Uranus	-2179-11-01 20:23 J	925848.10	925848.35	925848.64	0.0136	0.0068
Uranus	-2177-10-04 05:16 J	926550.50	926550.72	926550.97	0.0137	0.0090
Neptune	-2172-04-28 00:57 J	928217.24	928217.54	928217.86	0.0088	0.0030
Neptune	-2170-03-24 12:43 J	928912.82	928913.03	928913.29	0.0088	0.0061
Jupiter	-2166-11-03 09:21 J	930597.67	930597.89	930598.12	0.0534	0.0278
Jupiter	-2148-10-27 04:19 J	937165.40	937165.68	937165.97	0.0493	0.0046
Uranus	-2138-05-27 14:09 J	940664.79	940665.09	940665.40	0.0142	0.0017
Jupiter	-2130-08-09 14:23 J	943660.88	943661.10	943661.33	0.0534	0.0276
Saturn	-2116-08-25 00:14 J	948790.39	948790.51	948790.65	0.0276	0.0250
Saturn	-2100-07-25 07:40 J	954603.80	954603.82	954603.85	0.0285	0.0284
Uranus	-2094-06-27 23:02 J	956767.15	956767.46	956767.77	0.0136	0.0009
Neptune	-2090-01-15 01:26 J	958064.43	958064.56	958064.76	0.0089	0.0074
Neptune	-2089-12-09 06:28 J	958758.48	958758.77	958759.07	0.0089	0.0012
Uranus	-2055-02-16 22:19 J	970881.21	970881.43	970881.67	0.0143	0.0094
Uranus	-2053-01-20 21:21 J	971584.15	971584.39	971584.65	0.0142	0.0080
Jupiter	-2029-04-16 19:40 J	980437.09	980437.32	980437.57	0.0492	0.0272
Saturn	-2027-01-17 23:02 J	981078.26	981078.46	981078.67	0.0276	0.0209

Saturn	-2012-12-18 17:16 J	986892.08	986892.22	986892.37	0.0284	0.0238
Jupiter	-2011-01-28 02:52 J	986932.36	986932.62	986932.88	0.0534	0.0115
Uranus	-2011-03-21 03:36 J	986984.45	986984.65	986984.85	0.0136	0.0102
Uranus	-2009-02-21 06:00 J	987686.47	987686.75	987687.05	0.0137	0.0052
Neptune	-2009-12-09 18:00 J	987979.13	987979.25	987979.44	0.0088	0.0078
Neptune	-2007-11-05 08:23 J	988674.53	988674.85	988675.18	0.0088	0.0014

2ND MILLENNIUM BCE

This is a list of transits of Mars in the 2nd millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Jupiter	-1993-01-21 18:00 J		993500.00	993500.25	993500.52	0.0493	0.0201	
Jupiter	-1976-11-02 23:31 J		999995.34	999995.48	999995.65	0.0533	0.0432	
Uranus	-1971-10-13 11:02 J		1001800.66	1001800.96	1001801.26	0.0142	0.0028	
Saturn	-1939-06-12 18:57 J		1013366.06	1013366.29	1013366.54	0.0276	0.0180	
Uranus	-1927-11-14 07:26 J		1017903.53	1017903.81	1017904.12	0.0136	0.0045	
Neptune	-1925-07-24 01:26 J		1018521.29	1018521.56	1018521.85	0.0089	0.0033	
Uranus	-1925-10-16 13:12 J		1018605.90	1018606.05	1018606.26	0.0137	0.0112	
Saturn	-1923-05-14 13:12 J		1019180.84	1019181.05	1019181.27	0.0285	0.0176	
Neptune	-1923-06-18 06:14 J		1019215.53	1019215.76	1019216.01	0.0089	0.0054	
Jupiter	-1893-07-18 06:28 J		1030203.73	1030203.77	1030203.82	0.0535	0.0526	
Uranus	-1888-07-05 19:55 J		1032017.27	1032017.33	1032017.43	0.0143	0.0138	
Uranus	-1886-06-09 01:12 J		1032720.26	1032720.55	1032720.85	0.0142	0.0038	
Jupiter	-1875-07-11 17:45 J		1036770.97	1036771.24	1036771.52	0.0492	0.0143	

Jupiter	-1857-04-22 22:47 J	1043266.19	1043266.45	1043266.72	0.0534	0.0011
Saturn	-1851-11-06 23:16 J	1045655.18	1045655.47	1045655.77	0.0276	0.0098
Uranus	-1844-08-07 17:31 J	1048121.23	1048121.23	1048121.27	0.0136	0.0135
Neptune	-1843-06-19 01:26 J	1048436.26	1048436.56	1048436.88	0.0088	0.0033
Uranus	-1842-07-10 14:09 J	1048822.79	1048823.09	1048823.41	0.0136	0.0015
Neptune	-1841-05-14 14:24 J	1049131.86	1049132.10	1049132.35	0.0088	0.0058
Jupiter	-1839-04-16 15:07 J	1049833.92	1049834.13	1049834.35	0.0492	0.0324
Saturn	-1835-10-09 06:00 J	1051470.48	1051470.75	1051471.01	0.0285	0.0078
Uranus	-1803-03-01 18:00 J	1062936.99	1062937.25	1062937.53	0.0143	0.0068
Uranus	-1801-02-02 18:57 J	1063640.11	1063640.29	1063640.51	0.0142	0.0105
Saturn	-1762-04-03 12:57 J	1077944.73	1077945.04	1077945.36	0.0276	0.0004
Neptune	-1761-03-07 21:21 J	1078284.26	1078284.39	1078284.54	0.0089	0.0078
Neptune	-1759-01-30 23:16 J	1078978.19	1078978.47	1078978.78	0.0089	0.0009
Uranus	-1759-04-02 19:26 J	1079040.07	1079040.31	1079040.57	0.0136	0.0078
Uranus	-1757-03-04 19:55 J	1079742.09	1079742.33	1079742.61	0.0137	0.0075
Saturn	-1746-03-05 18:14 J	1083759.98	1083760.26	1083760.53	0.0286	0.0014
Jupiter	-1739-10-11 15:50 J	1086537.00	1086537.16	1086537.31	0.0534	0.0424
Jupiter	-1721-10-04 04:04 J	1093104.39	1093104.67	1093104.96	0.0492	0.0037
Uranus	-1719-10-26 12:57 J	1093856.73	1093857.04	1093857.34	0.0142	0.0001
Jupiter	-1703-07-17 05:31 J	1099599.48	1099599.73	1099599.99	0.0534	0.0112
Jupiter	-1685-07-09 15:21 J	1106166.99	1106167.14	1106167.29	0.0493	0.0414
Neptune	-1679-01-30 14:24 J	1108198.02	1108198.10	1108198.26	0.0088	0.0082
Neptune	-1678-12-27 06:43 J	1108893.46	1108893.78	1108894.12	0.0088	0.0011
Uranus	-1675-11-26 23:31 J	1109959.18	1109959.48	1109959.79	0.0136	0.0018
Saturn	-1674-08-29 14:38 J	1110234.83	1110235.11	1110235.40	0.0275	0.0110
Uranus	-1673-10-29 04:19 J	1110661.67	1110661.68	1110661.73	0.0137	0.0136
Saturn	-1658-07-31 19:55 J	1116050.09	1116050.33	1116050.59	0.0286	0.0127
Uranus	-1636-07-18 20:38 J	1124073.16	1124073.36	1124073.57	0.0143	0.0106
Uranus	-1634-06-22 03:50 J	1124776.41	1124776.66	1124776.94	0.0142	0.0068
Jupiter	-1602-03-24 10:33 J	1136374.79	1136374.94	1136375.10	0.0492	0.0412

Neptune	-1596-09-14 18:28 J	1138741.03	1138741.27	1138741.56	0.0089	0.0039
Neptune	-1594-08-09 21:21 J	1139435.16	1139435.39	1139435.66	0.0089	0.0048
Uranus	-1592-08-20 09:07 J	1140176.71	1140176.88	1140177.08	0.0135	0.0108
Uranus	-1590-07-23 03:50 J	1140878.38	1140878.66	1140878.97	0.0136	0.0041
Saturn	-1585-01-24 16:19 J	1142525.03	1142525.18	1142525.37	0.0275	0.0231
Jupiter	-1584-01-03 23:31 J	1142870.28	1142870.48	1142870.69	0.0535	0.0327
Saturn	-1570-12-25 18:57 J	1148339.10	1148339.29	1148339.50	0.0286	0.0199
Jupiter	-1567-12-28 03:07 J	1149437.35	1149437.63	1149437.92	0.0492	0.0049
Uranus	-1551-03-14 08:52 J	1154992.59	1154992.87	1154993.18	0.0143	0.0041
Uranus	-1549-02-15 11:31 J	1155695.89	1155695.98	1155696.12	0.0142	0.0131
Jupiter	-1549-10-09 08:38 J	1155932.62	1155932.86	1155933.10	0.0534	0.0202
Neptune	-1514-08-09 22:04 J	1168655.13	1168655.42	1168655.74	0.0088	0.0037
Neptune	-1512-07-05 12:14 J	1169350.78	1169351.01	1169351.30	0.0088	0.0055
Uranus	-1507-04-15 12:57 J	1171095.76	1171096.04	1171096.33	0.0136	0.0050
Uranus	-1505-03-17 10:47 J	1171797.77	1171797.95	1171798.19	0.0136	0.0102
Saturn	-1481-05-20 20:52 J	1180628.30	1180628.37	1180628.47	0.0286	0.0272
Uranus	-1467-11-07 23:02 J	1185912.17	1185912.46	1185912.78	0.0143	0.0026
Jupiter	-1448-06-16 21:50 J	1192708.19	1192708.41	1192708.64	0.0492	0.0310
Neptune	-1432-04-29 12:14 J	1198503.95	1198504.01	1198504.14	0.0089	0.0085
Neptune	-1430-03-24 15:21 J	1199197.84	1199198.14	1199198.44	0.0089	0.0001
Jupiter	-1430-03-30 21:35 J	1199204.16	1199204.40	1199204.65	0.0534	0.0201
Neptune	-1428-02-15 17:45 J	1199892.23	1199892.24	1199892.33	0.0089	0.0089
Uranus	-1423-12-09 18:00 J	1202014.95	1202015.25	1202015.57	0.0136	0.0009
Jupiter	-1412-03-22 21:21 J	1205771.12	1205771.39	1205771.67	0.0492	0.0165
Jupiter	-1394-01-04 00:14 J	1212267.32	1212267.51	1212267.70	0.0534	0.0367
Uranus	-1384-07-31 01:26 J	1216128.31	1216128.56	1216128.81	0.0143	0.0086
Uranus	-1382-07-04 09:35 J	1216831.68	1216831.90	1216832.15	0.0142	0.0089
Saturn	-1350-02-16 06:28 J	1228381.65	1228381.77	1228381.89	0.0278	0.0255
Neptune	-1350-03-23 11:45 J	1228416.96	1228416.99	1228417.10	0.0088	0.0086
Neptune	-1348-02-16 04:47 J	1229112.37	1229112.70	1229113.03	0.0088	0.0007

Uranus	-1340-09-02 08:24 J	1232232.62	1232232.85	1232233.11	0.0135	0.0081
Uranus	-1338-08-05 00:57 J	1232934.29	1232934.54	1232934.83	0.0136	0.0068
Uranus	-1299-03-26 23:02 J	1247048.15	1247048.46	1247048.77	0.0143	0.0017
Jupiter	-1294-09-11 09:07 J	1249042.61	1249042.88	1249043.15	0.0491	0.0166
Jupiter	-1276-06-24 22:19 J	1255539.17	1255539.43	1255539.69	0.0535	0.0020
Neptune	-1267-11-06 09:50 J	1258960.67	1258960.91	1258961.18	0.0089	0.0045
Neptune	-1265-09-30 12:43 J	1259654.78	1259655.03	1259655.30	0.0089	0.0042
Saturn	-1262-07-11 04:33 J	1260668.58	1260668.69	1260668.81	0.0279	0.0259
Jupiter	-1258-06-17 16:19 J	1262105.97	1262106.18	1262106.40	0.0492	0.0332
Uranus	-1255-04-28 12:14 J	1263151.71	1263152.01	1263152.31	0.0136	0.0023
Uranus	-1253-03-30 08:52 J	1263853.79	1263853.87	1263854.00	0.0136	0.0129
Saturn	-1246-06-15 10:19 J	1266486.84	1266486.93	1266487.03	0.0283	0.0263
Uranus	-1217-12-17 02:24 J	1277264.48	1277264.60	1277264.77	0.0143	0.0126
Uranus	-1215-11-20 17:45 J	1277967.96	1277968.24	1277968.54	0.0143	0.0051
Neptune	-1185-09-29 19:55 J	1288874.06	1288874.33	1288874.65	0.0088	0.0041
Neptune	-1183-08-26 11:31 J	1289569.74	1289569.98	1289570.28	0.0088	0.0052
Saturn	-1174-12-03 20:38 J	1292956.20	1292956.36	1292956.56	0.0279	0.0228
Uranus	-1172-01-20 03:50 J	1293369.50	1293369.66	1293369.85	0.0135	0.0110
Uranus	-1171-12-22 16:04 J	1294070.88	1294071.17	1294071.47	0.0136	0.0036
Saturn	-1158-11-08 10:33 J	1298774.81	1298774.94	1298775.10	0.0281	0.0236
Jupiter	-1158-12-14 21:21 J	1298811.23	1298811.39	1298811.57	0.0536	0.0404
Jupiter	-1140-12-06 05:45 J	1305377.46	1305377.74	1305378.03	0.0492	0.0011
Uranus	-1132-08-13 01:55 J	1308184.31	1308184.58	1308184.89	0.0143	0.0056
Uranus	-1130-07-17 12:43 J	1308887.87	1308888.03	1308888.21	0.0142	0.0118
Jupiter	-1122-09-19 15:07 J	1311873.88	1311874.13	1311874.38	0.0535	0.0153
Jupiter	-1104-09-11 09:07 J	1318440.88	1318440.88	1318440.91	0.0491	0.0491
Neptune	-1101-05-15 08:24 J	1319417.56	1319417.85	1319418.15	0.0089	0.0005
Neptune	-1099-04-09 09:50 J	1320111.83	1320111.91	1320112.06	0.0089	0.0083
Uranus	-1088-09-15 05:02 J	1324288.43	1324288.71	1324288.99	0.0135	0.0052
Uranus	-1086-08-17 21:07 J	1324990.18	1324990.38	1324990.62	0.0136	0.0096

Saturn	-1085-04-27 00:57 J	1325243.36	1325243.54	1325243.74	0.0279	0.0224
Saturn	-1069-04-02 19:26 J	1331063.12	1331063.31	1331063.51	0.0282	0.0196
Uranus	-1047-04-08 16:04 J	1339103.86	1339104.17	1339104.48	0.0143	0.0011
Jupiter	-1021-05-26 08:24 J	1348648.65	1348648.85	1348649.07	0.0491	0.0337
Neptune	-1019-04-09 04:33 J	1349331.37	1349331.69	1349332.03	0.0088	0.0005
Jupiter	-1003-03-10 05:02 J	1355145.48	1355145.71	1355145.94	0.0535	0.0253
Uranus	-1003-05-11 06:43 J	1355207.47	1355207.78	1355208.08	0.0135	0.0006

1ST MILLENNIUM BCE

This is a list of transits of Mars in the 1st millennium BCE.

FROM	MAX- TRANSIT TIME	C	START	MAX	END	SUNRAD	DEPTH	S
Saturn	-997-09-20 14:52 J		1357531.87	1357532.12	1357532.39	0.0279	0.0163	
Jupiter	-985-03-01 14:24 J		1361711.82	1361712.10	1361712.37	0.0491	0.0156	
Saturn	-981-08-27 23:31 J		1363352.24	1363352.48	1363352.73	0.0281	0.0123	
Jupiter	-968-12-13 21:07 J		1368208.17	1368208.38	1368208.60	0.0535	0.0307	
Uranus	-965-12-29 12:00 J		1369319.79	1369320.00	1369320.24	0.0144	0.0100	
Uranus	-963-12-03 05:02 J		1370023.46	1370023.71	1370023.98	0.0143	0.0076	
Pluto	-947-04-10 00:14 J		1375630.27	1375630.51	1375630.79	0.0078	0.0037	
Neptune	-938-12-29 07:55 J		1379180.58	1379180.83	1379181.08	0.0089	0.0049	
Neptune	-936-11-22 07:26 J		1379874.56	1379874.81	1379875.10	0.0089	0.0037	
Uranus	-920-02-01 22:04 J		1385425.19	1385425.42	1385425.68	0.0135	0.0081	
Uranus	-918-01-04 09:35 J		1386126.65	1386126.90	1386127.19	0.0136	0.0064	
Saturn	-908-02-14 12:14 J		1389820.71	1389821.01	1389821.31	0.0279	0.0091	

Saturn	-892-01-22 04:19 J	1395641.41	1395641.68	1395641.95	0.0282	0.0047
Uranus	-880-08-25 00:00 J	1400239.21	1400239.50	1400239.81	0.0143	0.0035
Uranus	-878-07-29 11:45 J	1400942.94	1400942.99	1400943.11	0.0142	0.0138
Jupiter	-867-08-20 04:04 J	1404982.41	1404982.67	1404982.94	0.0491	0.0209
Neptune	-856-11-20 19:40 J	1409093.04	1409093.32	1409093.63	0.0088	0.0043
Neptune	-854-10-17 13:26 J	1409788.81	1409789.06	1409789.36	0.0088	0.0051
Jupiter	-849-06-02 18:57 J	1411479.04	1411479.29	1411479.54	0.0536	0.0136
Uranus	-836-09-27 23:16 J	1416344.18	1416344.47	1416344.78	0.0135	0.0027
Uranus	-834-08-30 13:26 J	1417045.95	1417046.06	1417046.23	0.0136	0.0121
Jupiter	-831-05-25 21:50 J	1418045.17	1418045.41	1418045.66	0.0491	0.0264
Saturn	-820-07-12 09:07 J	1422110.56	1422110.88	1422111.19	0.0279	0.0017
Jupiter	-813-03-07 20:38 J	1424541.18	1424541.36	1424541.54	0.0535	0.0393
Saturn	-804-06-19 05:31 J	1427931.46	1427931.73	1427932.00	0.0282	0.0064
Uranus	-795-04-20 16:33 J	1431158.89	1431159.19	1431159.49	0.0143	0.0030
Neptune	-772-07-07 08:52 J	1439637.58	1439637.87	1439638.17	0.0089	0.0007
Neptune	-770-06-01 09:07 J	1440331.77	1440331.88	1440332.04	0.0089	0.0080
Uranus	-753-06-21 17:31 J	1446562.09	1446562.23	1446562.42	0.0135	0.0112
Uranus	-751-05-24 00:00 J	1447263.22	1447263.50	1447263.81	0.0136	0.0031
Saturn	-732-12-07 12:28 J	1454400.75	1454401.02	1454401.30	0.0278	0.0141
Saturn	-716-11-13 11:02 J	1460220.74	1460220.96	1460221.21	0.0283	0.0146
Jupiter	-713-11-12 01:55 J	1461315.30	1461315.58	1461315.86	0.0491	0.0122
Uranus	-712-01-10 13:55 J	1461374.82	1461375.08	1461375.34	0.0143	0.0080
Uranus	-711-12-15 07:55 J	1462078.62	1462078.83	1462079.08	0.0143	0.0095
Pluto	-701-08-29 19:55 J	1465624.07	1465624.33	1465624.61	0.0078	0.0028
Jupiter	-695-08-26 17:31 J	1467811.97	1467812.23	1467812.49	0.0535	0.0055
Neptune	-690-05-31 07:26 J	1469550.47	1469550.81	1469551.14	0.0088	0.0004
Jupiter	-677-08-17 21:50 J	1474378.23	1474378.41	1474378.62	0.0491	0.0358
Uranus	-668-02-14 14:24 J	1477480.85	1477481.10	1477481.39	0.0135	0.0058
Uranus	-666-01-17 00:43 J	1478182.30	1478182.53	1478182.77	0.0136	0.0086
Jupiter	-659-06-01 13:55 J	1480875.02	1480875.08	1480875.15	0.0535	0.0518

Saturn	-643-05-04 04:33 J	1486690.55	1486690.69	1486690.86	0.0278	0.0242
Uranus	-628-09-06 11:31 J	1492294.67	1492294.98	1492295.29	0.0143	0.0011
Saturn	-627-04-10 00:57 J	1492510.41	1492510.54	1492510.70	0.0283	0.0239
Neptune	-608-02-19 10:04 J	1499400.69	1499400.92	1499401.18	0.0089	0.0050
Neptune	-606-01-14 10:04 J	1500094.66	1500094.92	1500095.21	0.0089	0.0036
Uranus	-584-10-10 12:14 J	1508399.70	1508400.01	1508400.31	0.0135	0.0002
Jupiter	-576-02-14 02:24 J	1511083.50	1511083.60	1511083.73	0.0535	0.0481
Jupiter	-558-02-05 09:21 J	1517648.60	1517648.89	1517649.18	0.0491	0.0018
Uranus	-545-05-29 01:12 J	1522510.39	1522510.55	1522510.72	0.0144	0.0122
Uranus	-543-05-03 02:38 J	1523214.32	1523214.61	1523214.90	0.0143	0.0054
Jupiter	-541-11-19 21:07 J	1524146.13	1524146.38	1524146.64	0.0536	0.0089
Neptune	-526-01-11 23:45 J	1529312.21	1529312.49	1529312.79	0.0088	0.0042
Neptune	-525-12-07 18:57 J	1530008.04	1530008.29	1530008.58	0.0088	0.0052
Jupiter	-523-11-11 17:31 J	1530712.22	1530712.23	1530712.27	0.0492	0.0490
Uranus	-501-07-04 02:09 J	1538617.39	1538617.59	1538617.84	0.0135	0.0089
Uranus	-499-06-05 07:40 J	1539318.56	1539318.82	1539319.12	0.0136	0.0053
Saturn	-481-12-10 20:52 J	1546082.31	1546082.37	1546082.46	0.0280	0.0267
Uranus	-460-01-22 17:45 J	1553429.95	1553430.24	1553430.53	0.0143	0.0056
Uranus	-459-12-27 13:12 J	1554133.91	1554134.05	1554134.25	0.0143	0.0118
Neptune	-443-08-29 14:38 J	1559857.82	1559858.11	1559858.41	0.0089	0.0006
Neptune	-441-07-23 14:24 J	1560552.00	1560552.10	1560552.25	0.0089	0.0081
Jupiter	-440-07-26 06:43 J	1560919.61	1560919.78	1560919.98	0.0491	0.0380
Jupiter	-422-05-11 18:14 J	1567418.06	1567418.26	1567418.47	0.0536	0.0315
Uranus	-416-02-26 20:52 J	1569536.08	1569536.37	1569536.66	0.0135	0.0035
Uranus	-414-01-29 05:31 J	1570237.54	1570237.73	1570237.92	0.0136	0.0107
Jupiter	-404-05-01 19:12 J	1573983.03	1573983.30	1573983.59	0.0491	0.0140
Saturn	-392-05-06 02:38 J	1578370.46	1578370.61	1578370.77	0.0280	0.0230
Jupiter	-386-02-14 05:45 J	1580480.51	1580480.74	1580480.97	0.0536	0.0247
Uranus	-376-09-18 03:07 J	1584349.32	1584349.63	1584349.95	0.0143	0.0007
Neptune	-361-07-21 14:09 J	1589769.76	1589770.09	1589770.43	0.0088	0.0007

Uranus	-334-11-21 13:55 J	1599753.97	1599754.08	1599754.23	0.0135	0.0121
Uranus	-332-10-22 15:07 J	1600454.84	1600455.13	1600455.44	0.0135	0.0017
Saturn	-320-10-18 09:50 J	1604833.77	1604833.91	1604834.05	0.0282	0.0252
Saturn	-304-09-29 01:26 J	1610658.39	1610658.56	1610658.75	0.0279	0.0206
Pluto	-294-10-24 22:33 J	1614336.11	1614336.44	1614336.79	0.0067	0.0007
Uranus	-293-06-09 10:04 J	1614564.72	1614564.92	1614565.14	0.0144	0.0107
Uranus	-291-05-14 12:00 J	1615268.74	1615269.00	1615269.28	0.0143	0.0068
Jupiter	-286-10-21 02:24 J	1617254.34	1617254.60	1617254.87	0.0491	0.0202
Neptune	-279-04-13 21:21 J	1619621.14	1619621.39	1619621.64	0.0089	0.0047
Neptune	-277-03-07 18:57 J	1620315.04	1620315.29	1620315.57	0.0089	0.0039
Jupiter	-268-08-05 10:19 J	1623752.68	1623752.93	1623753.18	0.0536	0.0141
Jupiter	-250-07-27 12:57 J	1630317.82	1630318.04	1630318.27	0.0490	0.0308
Uranus	-249-07-16 06:28 J	1630672.53	1630672.77	1630673.04	0.0135	0.0070
Uranus	-247-06-17 09:50 J	1631373.66	1631373.91	1631374.18	0.0136	0.0071
Jupiter	-232-05-11 06:28 J	1636815.64	1636815.77	1636815.92	0.0536	0.0445
Saturn	-231-03-12 02:38 J	1637120.51	1637120.61	1637120.73	0.0282	0.0263
Saturn	-215-02-22 04:04 J	1642946.47	1642946.67	1642946.88	0.0279	0.0177
Uranus	-208-02-03 00:43 J	1645484.24	1645484.53	1645484.84	0.0143	0.0044
Uranus	-206-01-07 22:04 J	1646188.32	1646188.42	1646188.58	0.0143	0.0129
Neptune	-197-03-04 08:24 J	1649531.56	1649531.85	1649532.16	0.0088	0.0039
Neptune	-195-01-29 05:02 J	1650227.47	1650227.71	1650227.98	0.0088	0.0056
Uranus	-164-03-10 22:04 J	1661591.12	1661591.42	1661591.72	0.0135	0.0019
Uranus	-162-02-10 04:47 J	1662292.59	1662292.70	1662292.84	0.0136	0.0124
Jupiter	-149-01-25 11:16 J	1667024.96	1667024.97	1667024.99	0.0536	0.0535
Saturn	-143-08-05 00:57 J	1669408.36	1669408.54	1669408.75	0.0282	0.0225
Jupiter	-131-01-14 18:43 J	1673588.99	1673589.28	1673589.58	0.0490	0.0031
Saturn	-127-07-18 20:52 J	1675235.13	1675235.37	1675235.62	0.0278	0.0125
Uranus	-124-09-29 18:14 J	1676403.96	1676404.26	1676404.57	0.0143	0.0022
Neptune	-116-11-27 04:47 J	1679384.65	1679384.70	1679384.78	0.0089	0.0087
Neptune	-114-10-22 03:21 J	1680078.35	1680078.64	1680078.93	0.0089	0.0001

Jupiter	-114-10-31 00:14 J	1680087.26	1680087.51	1680087.77	0.0537	0.0036
Neptune	-112-09-15 02:24 J	1680772.52	1680772.60	1680772.70	0.0089	0.0085
Jupiter	-96-10-20 22:47 J	1686652.38	1686652.45	1686652.54	0.0491	0.0471
Uranus	-82-12-03 14:52 J	1691808.95	1691809.12	1691809.33	0.0135	0.0104
Uranus	-80-11-03 14:24 J	1692509.82	1692510.10	1692510.41	0.0135	0.0035
Saturn	-55-12-29 00:43 J	1701696.30	1701696.53	1701696.77	0.0282	0.0188
Uranus	-41-06-21 05:31 J	1706619.49	1706619.73	1706619.99	0.0143	0.0088
Uranus	-39-05-26 09:35 J	1707323.66	1707323.90	1707324.16	0.0143	0.0086
Saturn	-39-12-12 13:55 J	1707523.82	1707524.08	1707524.34	0.0279	0.0070
Neptune	-34-10-17 03:07 J	1709293.56	1709293.63	1709293.76	0.0088	0.0084
Neptune	-32-09-12 01:40 J	1709989.25	1709989.57	1709989.92	0.0088	0.0012
Jupiter	-13-07-04 10:19 J	1716859.77	1716859.93	1716860.12	0.0490	0.0396